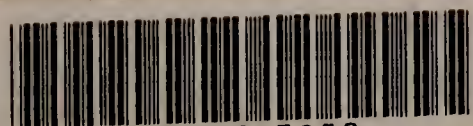


OR  
276

REPORT  
ON THE  
ORIGIN AND SPREAD  
OF  
TYPHOID FEVER  
IN  
U. S. MILITARY CAMPS  
DURING THE  
SPANISH WAR OF 1898  
—  
VOL. 2  
MAPS AND CHARTS  
—  
1904



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# REPORT

ON THE

## ORIGIN AND SPREAD OF TYPHOID FEVER IN U. S. MILITARY CAMPS DURING THE SPANISH WAR OF 1898

BY

WALTER REED,  
MAJOR AND SURGEON, U. S. ARMY,

VICTOR C. VAUGHAN,  
MAJOR AND DIVISION SURGEON, U. S. VOLUNTEERS,

AND

EDWARD O. SHAKESPEARE,  
MAJOR AND BRIGADE SURGEON, U. S. VOLUNTEERS.

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Vol. II.

MAPS AND CHARTS.

---

PREPARED IN ACCORDANCE WITH ACT OF CONGRESS UNDER THE DIRECTION OF  
SURGEON-GENERAL ROBERT M. O'REILLY, U. S. ARMY.

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# INTRODUCTION.

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The maps and charts in this volume are intended to show graphically what has been stated in words in volume 1. The map of Chickamauga Park gives the location and relative position of all the military organizations camped in the park in 1898. In case one regiment occupied more than one location, the two camps are given. The symbols show the corps or other organization to which each regiment belonged. The small circles indicate the location of wells and springs from which the samples of water examined by Doctor Slocum were taken. The location of the pumping station and the distribution of the pipes that carried Chickamauga River water through the camps are given.

The meteorological chart of Chattanooga, Tenn., shows the variations in meteorological conditions prevalent in Chickamauga Park during the period in which the regiments were encamped there.

The map of Camp Alger, Va., shows the two sites occupied by the organizations of the Second Army Corps. The camp covering the right portion of the map was that first occupied, while the smaller camp, lying to the left, shows the second location, occupied by certain regiments of the First Division of the Second Army Corps after the first camp had become badly infected and after other regiments had been moved. This map also shows the locations of both dug and artesian wells.

The meteorological chart for Washington, D. C., gives the meteorological conditions existing at Camp Alger during the period when the troops occupied this location.

The meteorological chart of Harrisburg, Pa., gives the conditions of weather prevalent at Camp Meade, a map of which is given, during the occupation of that place by the Second Army Corps.

Inasmuch as the development of typhoid fever and its extensive prevalence in the Fifteenth Minnesota Volunteer Infantry at its State camp is of great interest, we have introduced a meteorological chart of St. Paul. This regiment assembled at the fair grounds at St. Paul, where typhoid fever became alarmingly prevalent, after which it was first moved to Fort Snelling, and later to Camp Meade. The meteorological chart of St. Paul shows the weather conditions prevalent at both of the above-mentioned State encampments.

The meteorological chart of Tampa, Fla., and that of Jupiter, Fla., show the weather conditions prevalent in southern Florida during the period when the Fourth Army Corps and the First Division of the Seventh Army Corps were stationed at Tampa and Miami, respectively.

The sketch map of Camp Cuba Libre, Jacksonville, Fla., shows the locations of the divisions of the Seventh Army Corps. Attention may be called to the fact that the regiments of the First Division were encamped on the bank of the St. Johns River, into which fecal matter was carried by means of the flushing tanks described in the text. The Second Division was furnished with half-barrel receptacles for fecal matter, and these were carried away and dumped into a sewer, while the Third Division used ordinary latrines.

The meteorological charts of Jacksonville, Fla., and Savannah, Ga., show the weather conditions existing at these points during the summer and fall of 1898.

The object in charting the diseases prevalent in the different regiments is to show to the eye the distribution of these diseases, especially typhoid fever, not only in point of time, but also with reference to company outbreaks. A glance at almost any of these charts will emphasize more strongly than words can the fact which we have so frequently insisted upon in the text—that typhoid fever generally appeared as separate company outbreaks. This, it appears to us, is most convincing proof that the agent of infection, as a rule at least, was not present in either the food or drink supplied to the regiment. Typhoid fever must have been spread largely by personal contact, and by the contamination of tents, blankets, clothing, and the person of individuals. This has already been emphasized in the smaller maps introduced into the text, in which the tent distribution of the disease has been demonstrated. The relation between typhoid fever, diarrheal diseases, and the so-called malarias, both short and long, is graphically illustrated in many of the charts. We might have made charts of all the regiments studied, but we are of the opinion that we have presented sufficient evidence of the correctness of the conclusions which we have reached concerning the manner in which typhoid fever was distributed and the relation of this disease to other diseases prevalent in the different camps.





# ILLUSTRATIONS.

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1. Map of Chickamauga Park, Ga.
2. Meteorological chart of Chattanooga, Tenn.
3. Map of Camp Alger, Va.
4. Meteorological chart of Washington, D. C.
- 4½ Map of Camp George G. Meade, Pa.
5. Meteorological chart of Harrisburg, Pa.
6. Meteorological chart of St. Paul, Minn.
7. Meteorological chart of Block Island, R. I.
8. Meteorological chart of Tampa, Fla.
9. Meteorological chart of Jupiter, Fla.
10. Sketch map of Camp Cuba Libre, Jacksonville, Fla.
11. Meteorological chart of Jacksonville, Fla.
12. Meteorological chart of Savannah, Ga.

## MORBIDITY CHARTS.

13. First Kentucky Volunteer Infantry.
14. Third Wisconsin Volunteer Infantry.
15. Fourth Ohio Volunteer Infantry.
16. Fourth Pennsylvania Volunteer Infantry.
17. Sixteenth Pennsylvania Volunteer Infantry.
18. Second Wisconsin Volunteer Infantry.
19. One hundred and fifty-eighth Volunteer Infantry.
20. Sixth Ohio Volunteer Infantry.
21. First West Virginia Volunteer Infantry.
22. First Pennsylvania Volunteer Infantry.
23. Fourteenth Minnesota Volunteer Infantry.
24. Second Ohio Volunteer Infantry.
25. Third North Carolina Volunteer Infantry.
26. Twelfth Minnesota Volunteer Infantry.
27. Eighth Massachusetts Volunteer Infantry.
28. Twenty-first Kansas Volunteer Infantry.
29. Twelfth New York Volunteer Infantry.
30. Second Missouri Volunteer Infantry.

31. First New Hampshire Volunteer Infantry.
32. First Missouri Volunteer Infantry.
33. Fifth Maryland Volunteer Infantry.
34. Second Nebraska Volunteer Infantry.
35. Second New York Volunteer Infantry.
36. Third Tennessee Volunteer Infantry.
37. First Vermont Volunteer Infantry.
38. Second Kentucky Volunteer Infantry.
39. Ninth New York Volunteer Infantry.
40. Fifth Missouri Volunteer Infantry.
41. Second Arkansas Volunteer Infantry.
42. Sixty-ninth New York Volunteer Infantry.
43. Fifty-second Iowa Volunteer Infantry.
44. First Mississippi Volunteer Infantry.
45. Third United States Volunteer Cavalry.
46. Sixty-fifth New York Volunteer Infantry.
47. Seventh Ohio Volunteer Infantry.
48. First New Jersey Volunteer Infantry.
49. Sixth Illinois Volunteer Infantry.
50. Sixth Massachusetts Volunteer Infantry.
51. Eighth Pennsylvania Volunteer Infantry.
52. Twelfth Pennsylvania Volunteer Infantry.
53. Thirteenth Pennsylvania Volunteer Infantry.
54. Third Virginia Volunteer Infantry.
55. First Connecticut Volunteer Infantry.
56. New York Volunteer Cavalry.
57. Twenty-second Kansas Volunteer Infantry.
58. One hundred and fifty-ninth Indiana Volunteer Infantry.
59. Third New York Volunteer Infantry.
60. Seventh Illinois Volunteer Infantry.
61. Sixth Pennsylvania Volunteer Infantry.
62. Fourth Missouri Volunteer Infantry.
63. Ninth Ohio Volunteer Infantry.

64. Third Missouri Volunteer Infantry.
65. First Rhode Island Volunteer Infantry.
66. Second Tennessee Volunteer Infantry.
67. First Maryland Volunteer Infantry.
68. Thirty-fifth Michigan Volunteer Infantry.
69. Tenth Ohio Volunteer Infantry.
70. Third Connecticut Volunteer Infantry.
71. Two hundred and second New York Volunteer Infantry.
72. Fifteenth Minnesota Volunteer Infantry.
73. Fourth New Jersey Volunteer Infantry.
74. Two hundred and third New York Volunteer Infantry.
75. Second West Virginia Volunteer Infantry.
76. Fifth Massachusetts Volunteer Infantry.
77. Two hundred and first New York Volunteer Infantry.
78. First Delaware Volunteer Infantry.
79. Second Pennsylvania Volunteer Infantry.
80. Second New Jersey Volunteer Infantry.
81. Second Illinois Volunteer Infantry.
82. First North Carolina Volunteer Infantry.
83. Fiftieth Iowa Volunteer Infantry.
84. Ninth Illinois Volunteer Infantry.
85. First Wisconsin Volunteer Infantry.
86. Second Virginia Volunteer Infantry.
87. Fourth Virginia Volunteer Infantry.
88. Forty-ninth Iowa Volunteer Infantry.
89. Second Mississippi Volunteer Infantry.
90. Fourth Illinois Volunteer Infantry.
91. First South Carolina Volunteer Infantry.
92. Second United States Volunteer Cavalry.
93. Third Nebraska Volunteer Infantry.
94. One hundred and sixty-first Indiana Volunteer Infantry.
95. Sixth Missouri Volunteer Infantry.
96. Second South Carolina Volunteer Infantry.







o (numbered).  
Refer to Dr. Stocum's  
analysis of the Park  
water supply.

**Symbols.**  
1 - 1<sup>st</sup> Army Corps.  
3 - 3<sup>rd</sup> " "  
⊕ - Misc. Organizations.

CHART No. 1  
MAP OF  
**CHICKAMAUGA PARK**  
showing  
**CAMP "GEO. H. THOMAS"**  
occupied by  
**1<sup>ST</sup> AND 3<sup>RD</sup> ARMY CORPS.**  
1898.

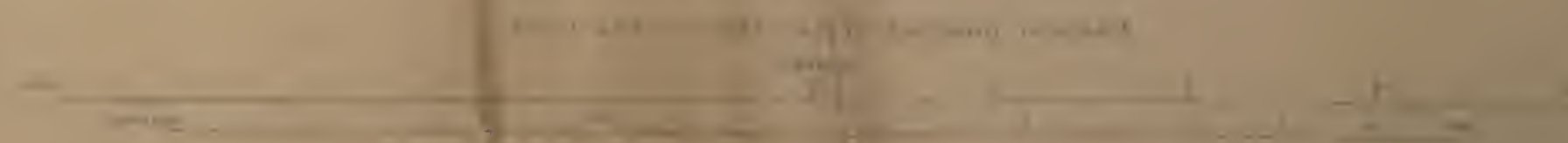
Contour interval 10 feet-Datum: Sea level.  
SCALE 1" = 1 MILE  
0 1 2 3 4 5 6 7 8 9 10





CHICKAMAUGA PARK  
CAMP "GEO. H. THOMAS"

1<sup>st</sup> ARMY CORPS





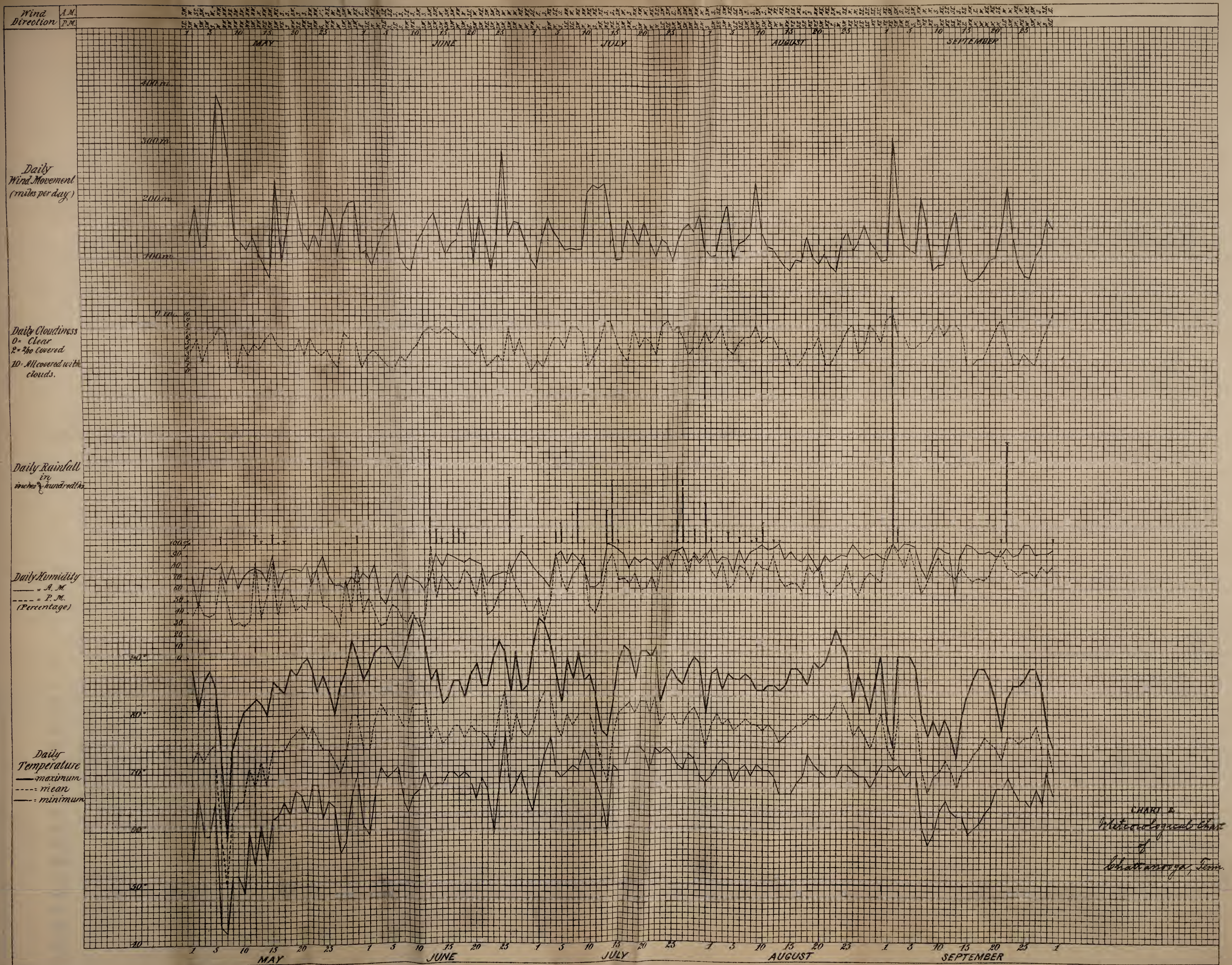






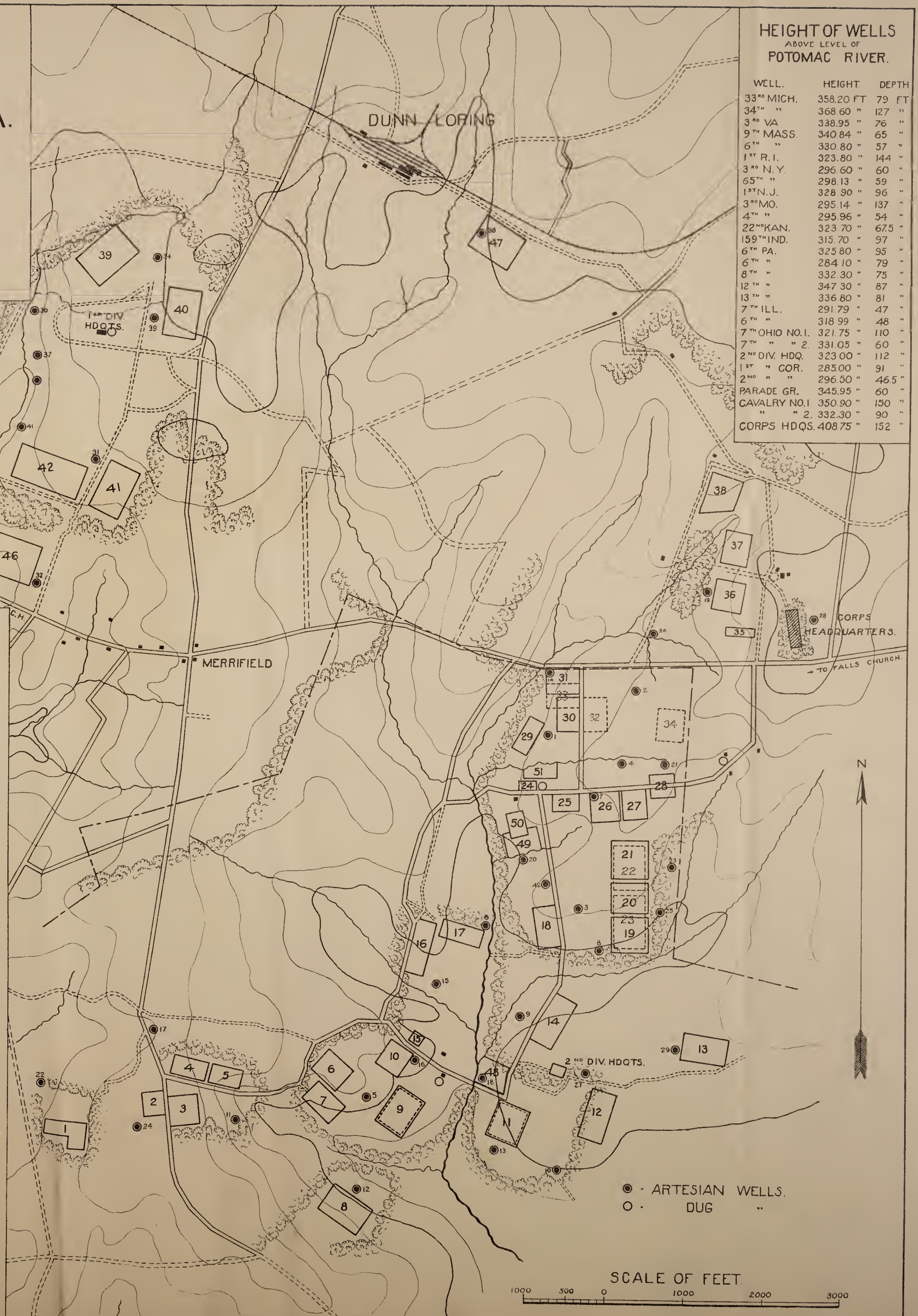


CHART 3  
 SKETCH MAP OF  
**CAMP ALGER VA.**  
 INCLUDING NEW CAMP OF  
 1<sup>ST</sup> DIV. 2<sup>ND</sup> CORPS  
 NEAR DUNN LORING  
 1898

**HEIGHT OF WELLS**  
 ABOVE LEVEL OF  
 POTOMAC RIVER.

WELL.	HEIGHT.	DEPTH
33 <sup>RD</sup> MICH.	358.20 FT	79 FT
34 <sup>TH</sup> "	368.60 "	127 "
3 <sup>RD</sup> VA	338.95 "	76 "
9 <sup>TH</sup> MASS.	340.84 "	65 "
6 <sup>TH</sup> "	330.80 "	57 "
1 <sup>ST</sup> R. I.	323.80 "	144 "
3 <sup>RD</sup> N. Y.	296.60 "	60 "
65 <sup>TH</sup> "	298.13 "	59 "
1 <sup>ST</sup> N. J.	328.90 "	96 "
3 <sup>RD</sup> MO.	295.14 "	137 "
4 <sup>TH</sup> "	295.96 "	54 "
22 <sup>ND</sup> KAN.	323.70 "	67.5 "
159 <sup>TH</sup> IND.	315.70 "	97 "
6 <sup>TH</sup> PA.	325.80 "	95 "
6 <sup>TH</sup> "	284.10 "	79 "
8 <sup>TH</sup> "	332.30 "	75 "
12 <sup>TH</sup> "	347.30 "	87 "
13 <sup>TH</sup> "	336.80 "	81 "
7 <sup>TH</sup> ILL.	291.79 "	47 "
6 <sup>TH</sup> "	318.99 "	48 "
7 <sup>TH</sup> OHIO NO. 1.	321.75 "	110 "
7 <sup>TH</sup> " 2.	331.05 "	60 "
2 <sup>ND</sup> DIV. HDQ.	323.00 "	112 "
1 <sup>ST</sup> " COR.	285.00 "	91 "
2 <sup>ND</sup> "	296.50 "	46.5 "
PARADE GR.	345.95 "	60 "
CAVALRY NO. 1.	350.90 "	150 "
" 2.	332.30 "	90 "
CORPS HDQS.	408.75 "	152 "

- 1 3<sup>RD</sup> VA. 1<sup>ST</sup> CAMP.
- 2 34<sup>TH</sup> MICH.
- 3 9<sup>TH</sup> MASS.
- 4 33<sup>RD</sup> MICH.
- 5 2<sup>ND</sup> TENN. 1<sup>ST</sup> CAMP.
- 6 22<sup>ND</sup> KAN.
- 7 1<sup>ST</sup> N. J. 1<sup>ST</sup> CAMP
- 8 1<sup>ST</sup> R. I. 2<sup>ND</sup> "
- 9 7<sup>TH</sup> OHIO 1<sup>ST</sup> " 2<sup>ND</sup> TENN. 2<sup>ND</sup> CAMP.
- 10 159<sup>TH</sup> IND
- 11 65<sup>TH</sup> N. Y. 1<sup>ST</sup> " 6<sup>TH</sup> PA. 2<sup>ND</sup> "
- 12 7<sup>TH</sup> ILL.
- 13 6<sup>TH</sup> PA. 3<sup>RD</sup> "
- 14 4<sup>TH</sup> MO. 2<sup>ND</sup> "
- 15 2<sup>ND</sup> DIV. HOSP.
- 16 3<sup>RD</sup> MO.
- 17 3<sup>RD</sup> N. Y.
- 18 RECRUITS DUFFIELDS BRIGADE.
- 19 65<sup>TH</sup> N. Y. 2<sup>ND</sup> CAMP.
- 20 7<sup>TH</sup> OHIO 2<sup>ND</sup> "
- 21 1<sup>ST</sup> N. J. 2<sup>ND</sup> "
- 22 4<sup>TH</sup> MO. 1<sup>ST</sup> "
- 23 1<sup>ST</sup> R. I. 1<sup>ST</sup> "
- 24 1<sup>ST</sup> DIV. HDQTS.
- 25 9<sup>TH</sup> OHIO 1<sup>ST</sup> CAMP.
- 26 8<sup>TH</sup> PA. 1<sup>ST</sup> "
- 27 13<sup>TH</sup> PA. 1<sup>ST</sup> "
- 28 12<sup>TH</sup> PA. 1<sup>ST</sup> "
- 29 6<sup>TH</sup> MASS.
- 30 8<sup>TH</sup> OHIO.
- 31 6<sup>TH</sup> ILL. 2<sup>ND</sup> "
- 32 6<sup>TH</sup> ILL. 1<sup>ST</sup> "
- 33 PA. SQUADRON.
- 34 6<sup>TH</sup> PA. 1<sup>ST</sup> "
- 35 N. Y. SQUADRON.
- 36 CORPS RES. HOSP.
- 37 SIGNAL CORPS.
- 38 9<sup>TH</sup> OHIO 2<sup>ND</sup> CAMP.
- 39 8<sup>TH</sup> PA. 2<sup>ND</sup> "
- 40 13<sup>TH</sup> PA. 2<sup>ND</sup> "
- 41 1<sup>ST</sup> DIV. HOSP. 3<sup>RD</sup> "
- 42 3<sup>RD</sup> VA. 2<sup>ND</sup> "
- 43 1<sup>ST</sup> N. J. 3<sup>RD</sup> "
- 44 7<sup>TH</sup> OHIO 3<sup>RD</sup> "
- 45 65<sup>TH</sup> N. Y. 3<sup>RD</sup> "
- 46 1<sup>ST</sup> CONN.
- 47 12<sup>TH</sup> PA. 2<sup>ND</sup> "
- 48 2<sup>ND</sup> DIV. CORRAL.
- 49 1<sup>ST</sup> "
- 50 1<sup>ST</sup> " HOSP. 1<sup>ST</sup> CAMP.
- 51 1<sup>ST</sup> " 2<sup>ND</sup> "

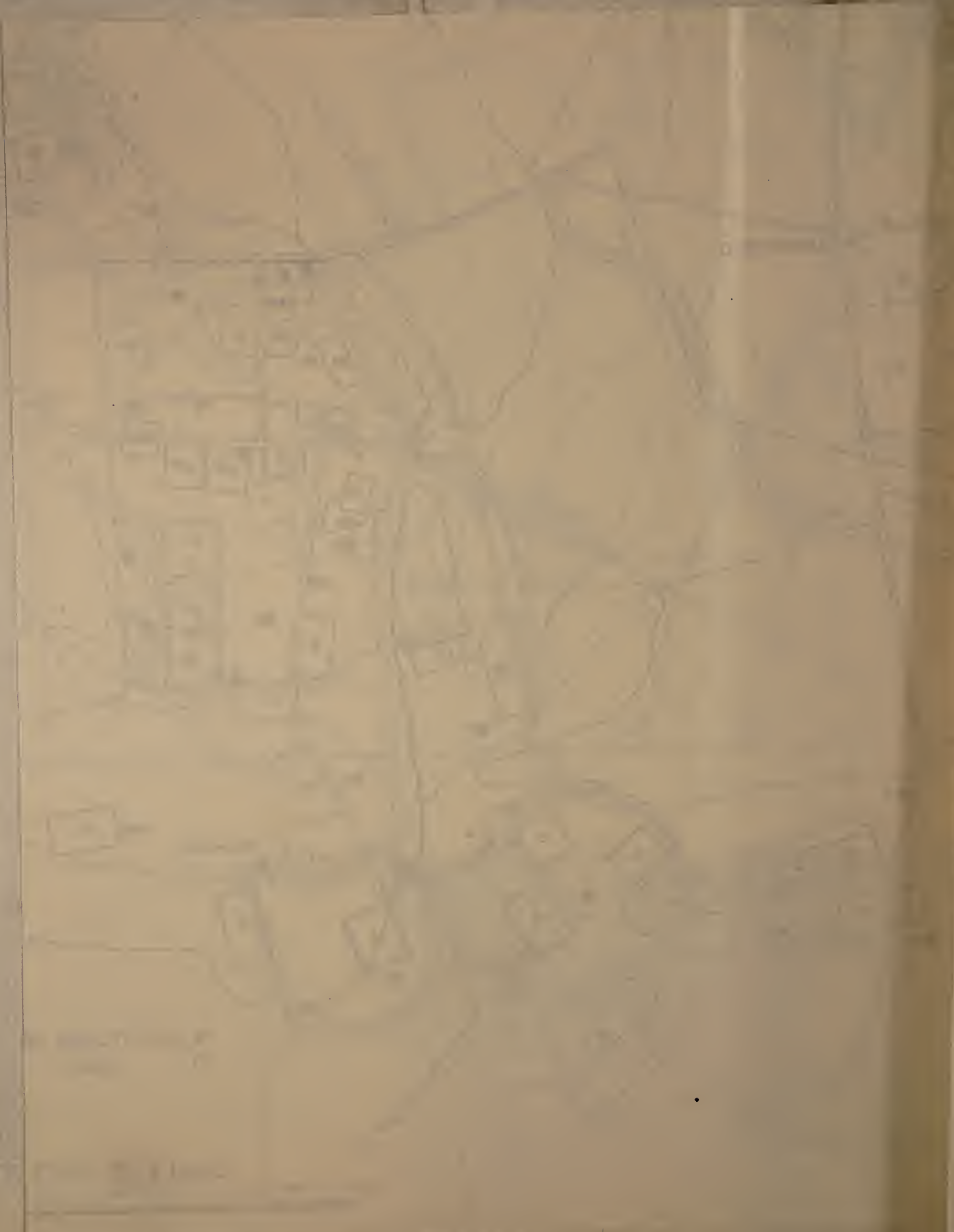


● - ARTESIAN WELLS.  
 ○ - DUG "

SCALE OF FEET.

1000 500 0 1000 2000 3000





Handwritten text, likely a list or inventory, written vertically on the right side of the page. The text is very faint and difficult to read, but appears to be organized in columns.



Wind Direction.

Wind Movement  
(miles per day.)

Daily Cloudiness.  
0 - clear.  
2 - 1/2 covered.  
10 - all covered with  
clouds.

Daily Rain-fall, in  
inches & hundredths.

Mean Daily  
Humidity  
— A.M.  
--- P.M.  
(Percentage)

Daily  
Temperature.  
— maximum  
--- mean  
--- minimum.

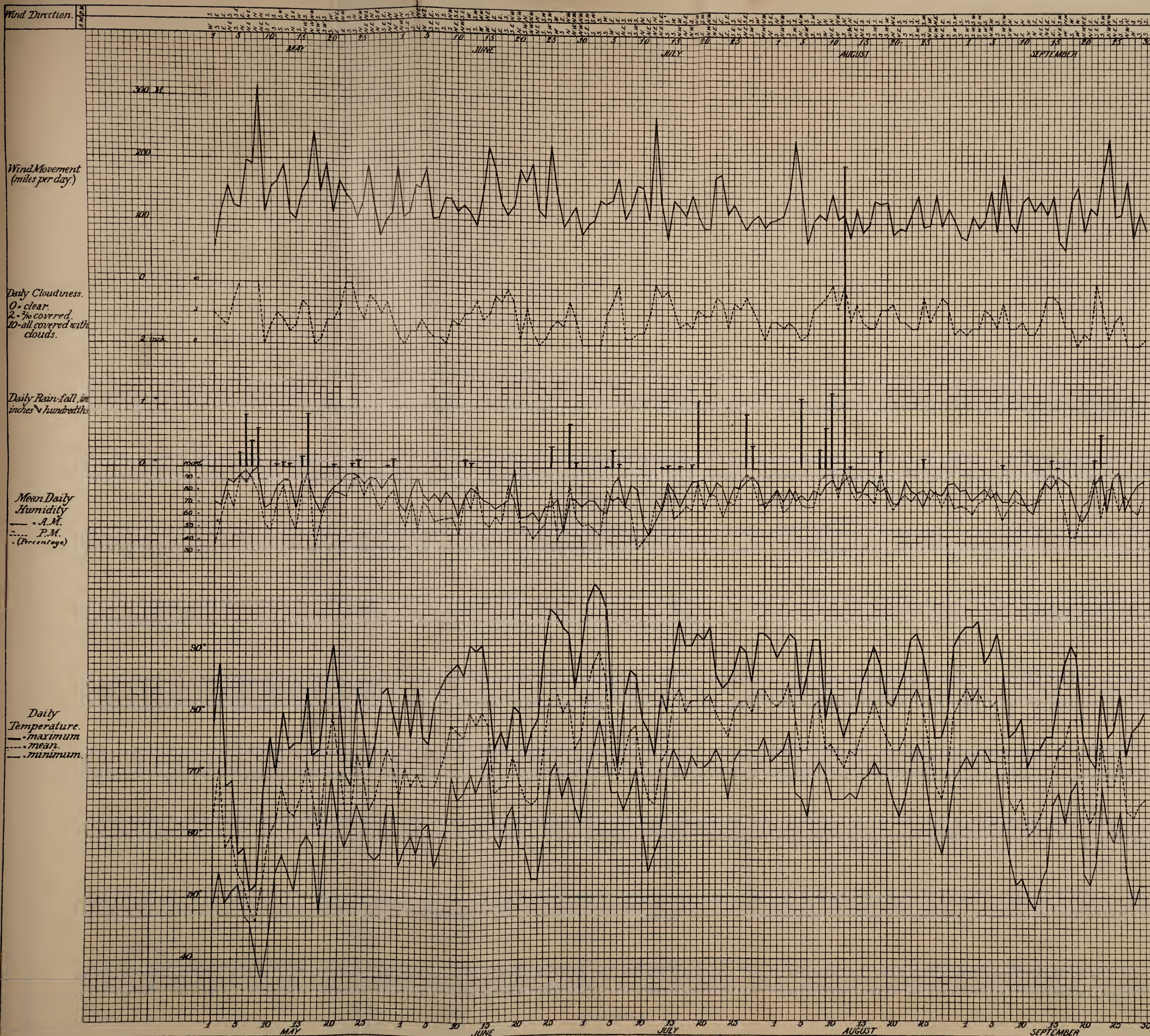


CHART 4  
Meteorological Chart  
for  
Washington, D. C.  
from  
May 1<sup>st</sup> to Sept. 31<sup>st</sup> incl.



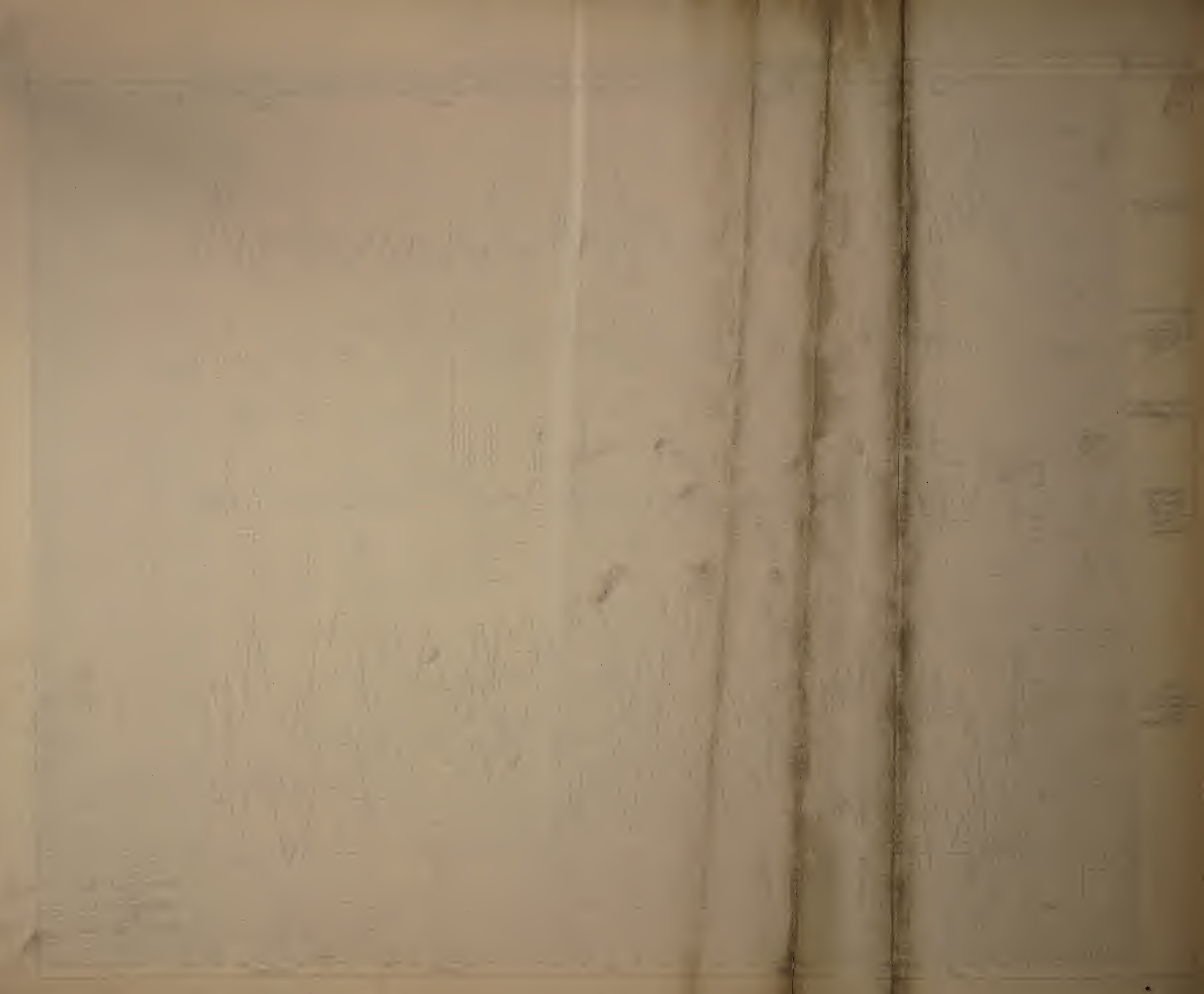


CHART  $4\frac{1}{2}$ .

# MAP OF CAMP

GEORGE G. MEADE

= NEAR

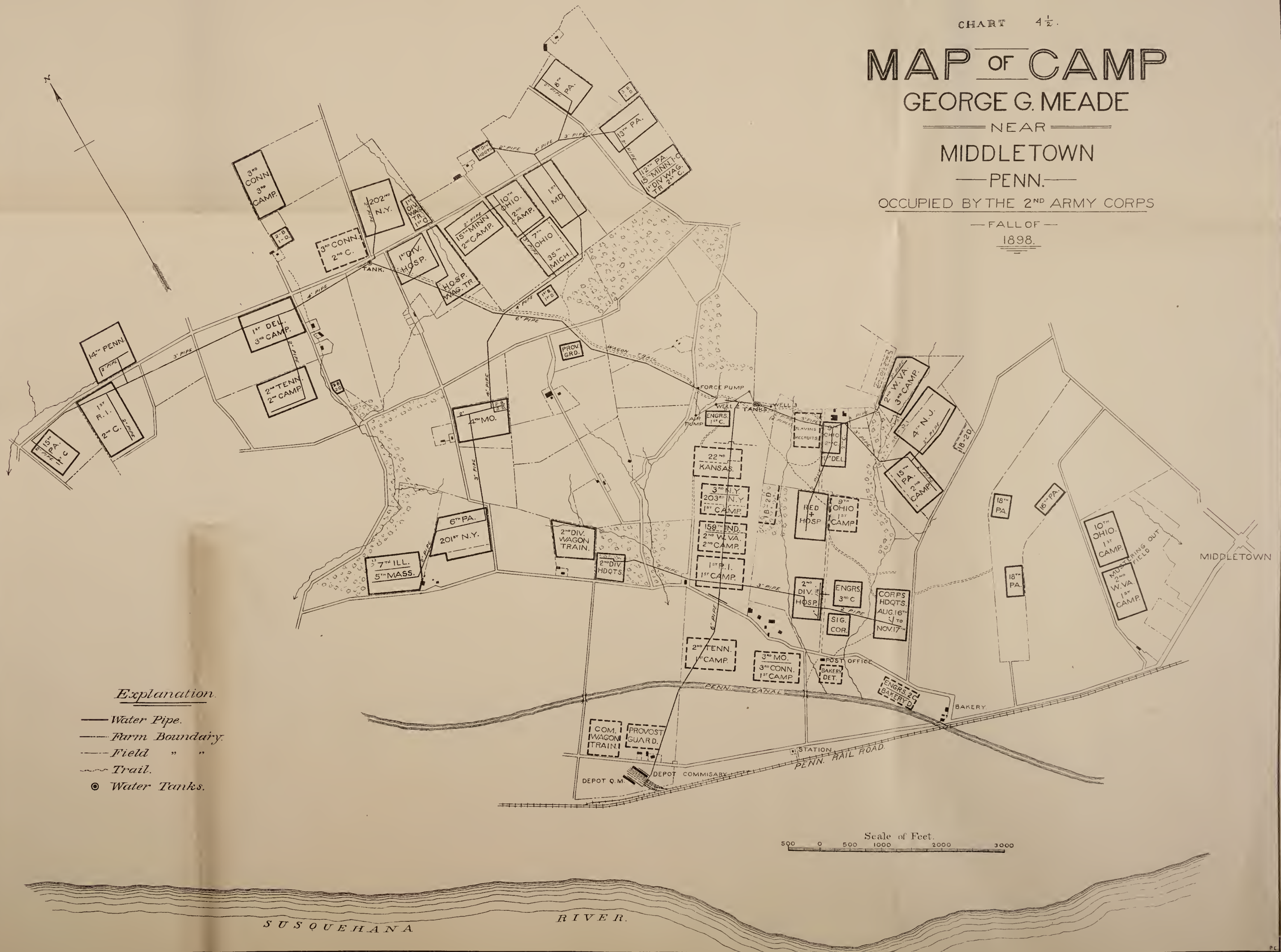
MIDDLETOWN

—PENN.—

OCCUPIED BY THE 2<sup>ND</sup> ARMY CORPS

— FALL OF —

1898.









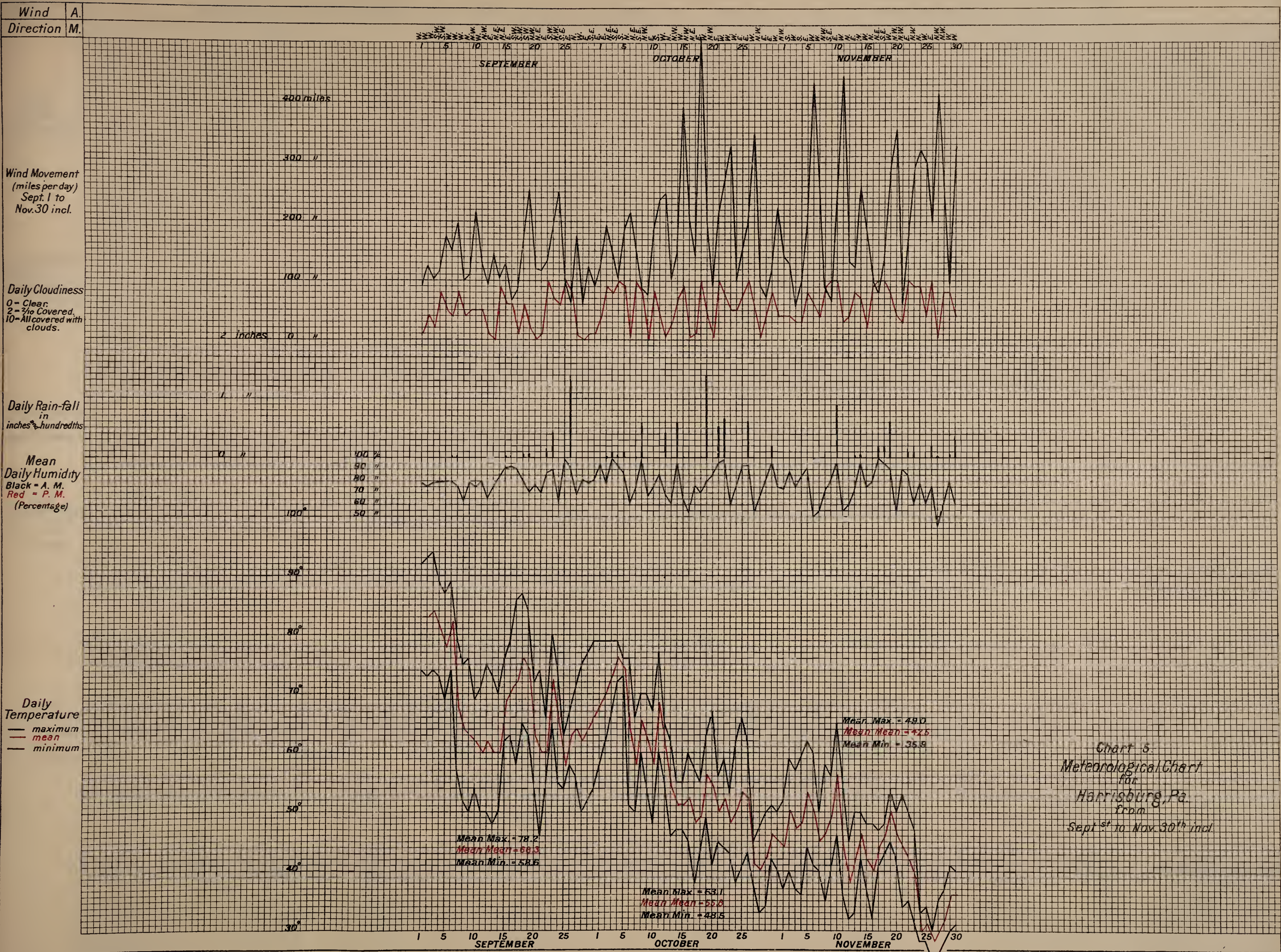


Chart 5.  
Meteorological Chart  
for  
Harrisburg, Pa.  
from  
Sept 1st to Nov. 30th incl.







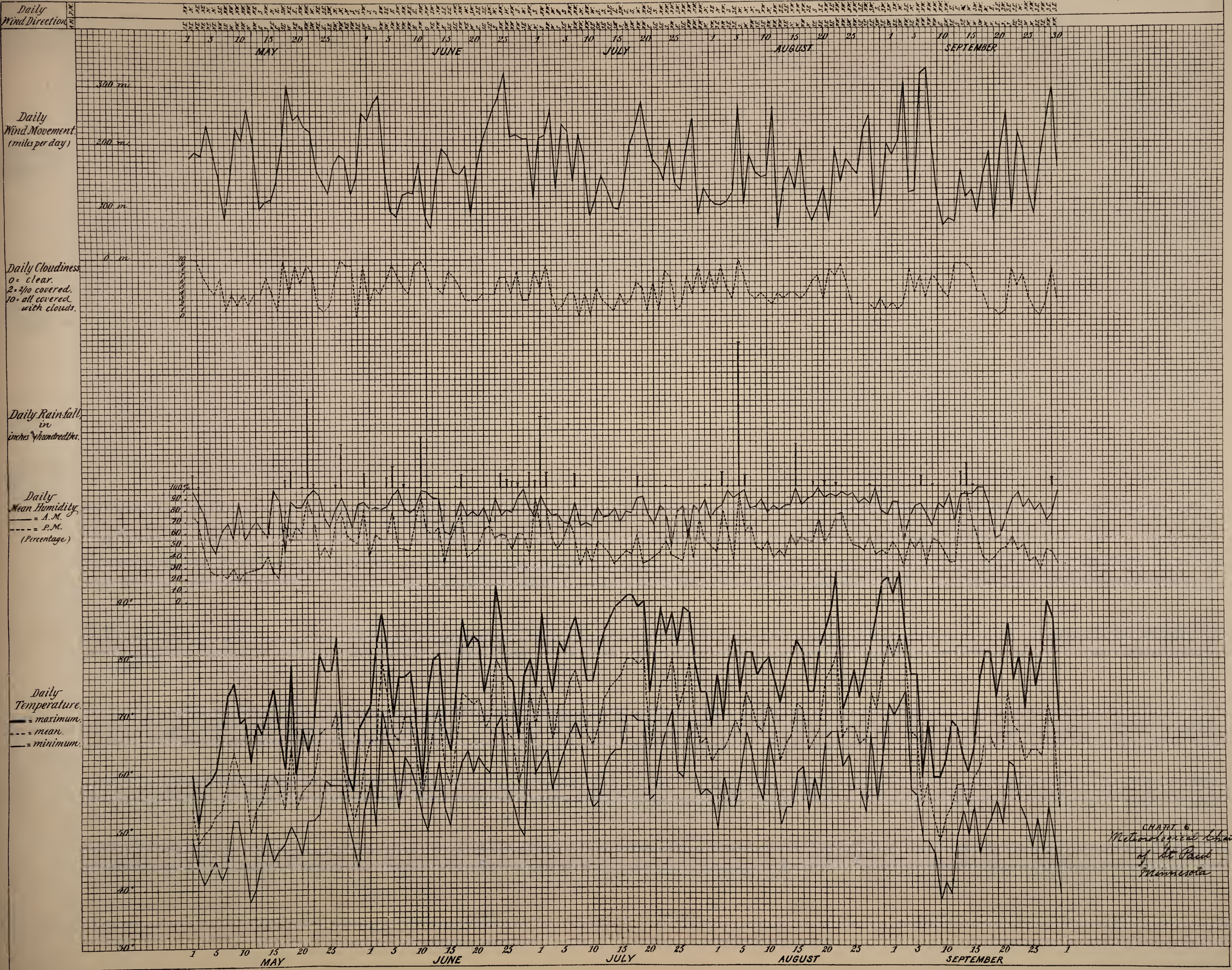
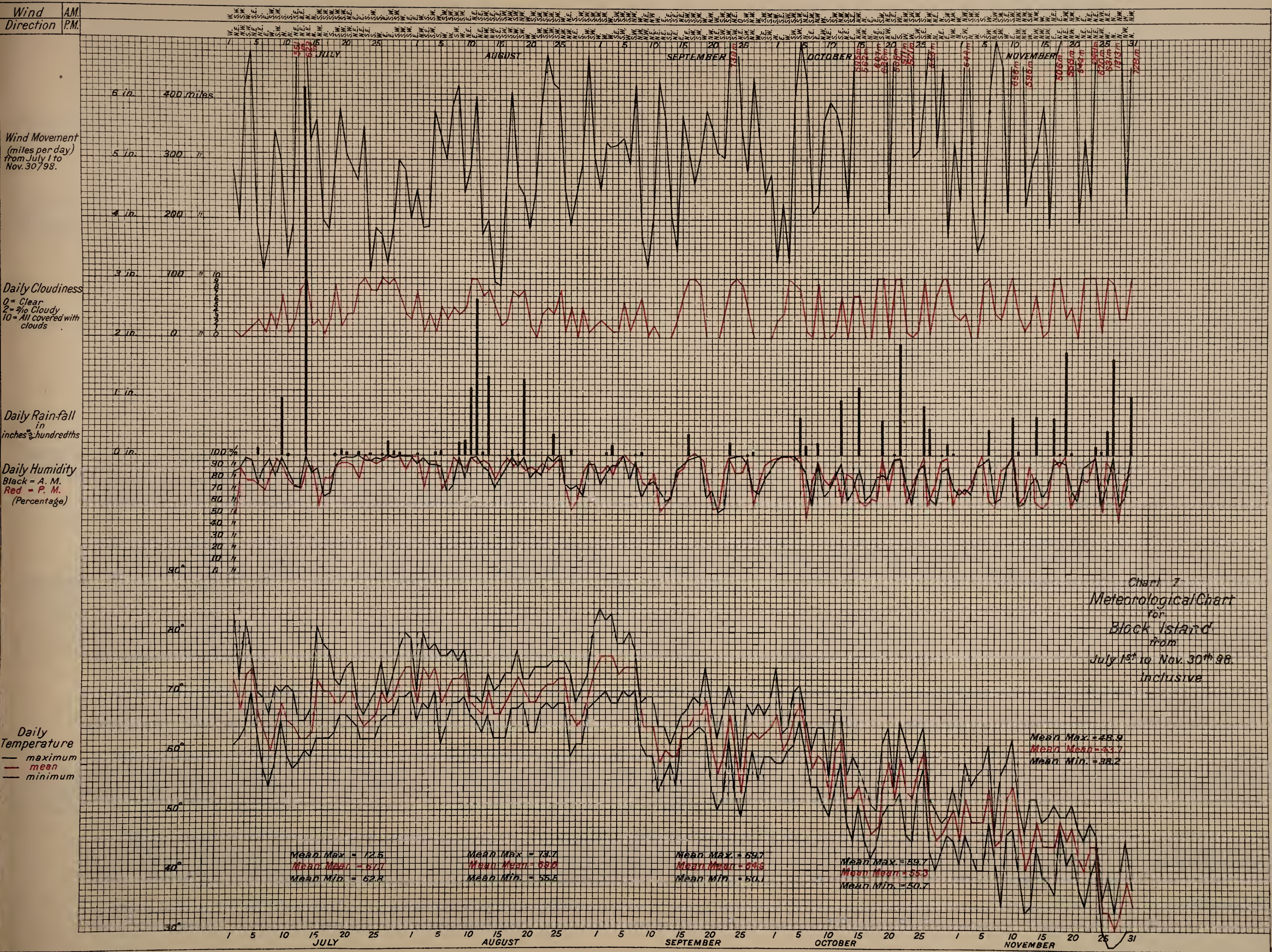


CHART 6  
Meteorological Chart  
of St. Paul  
Minnesota





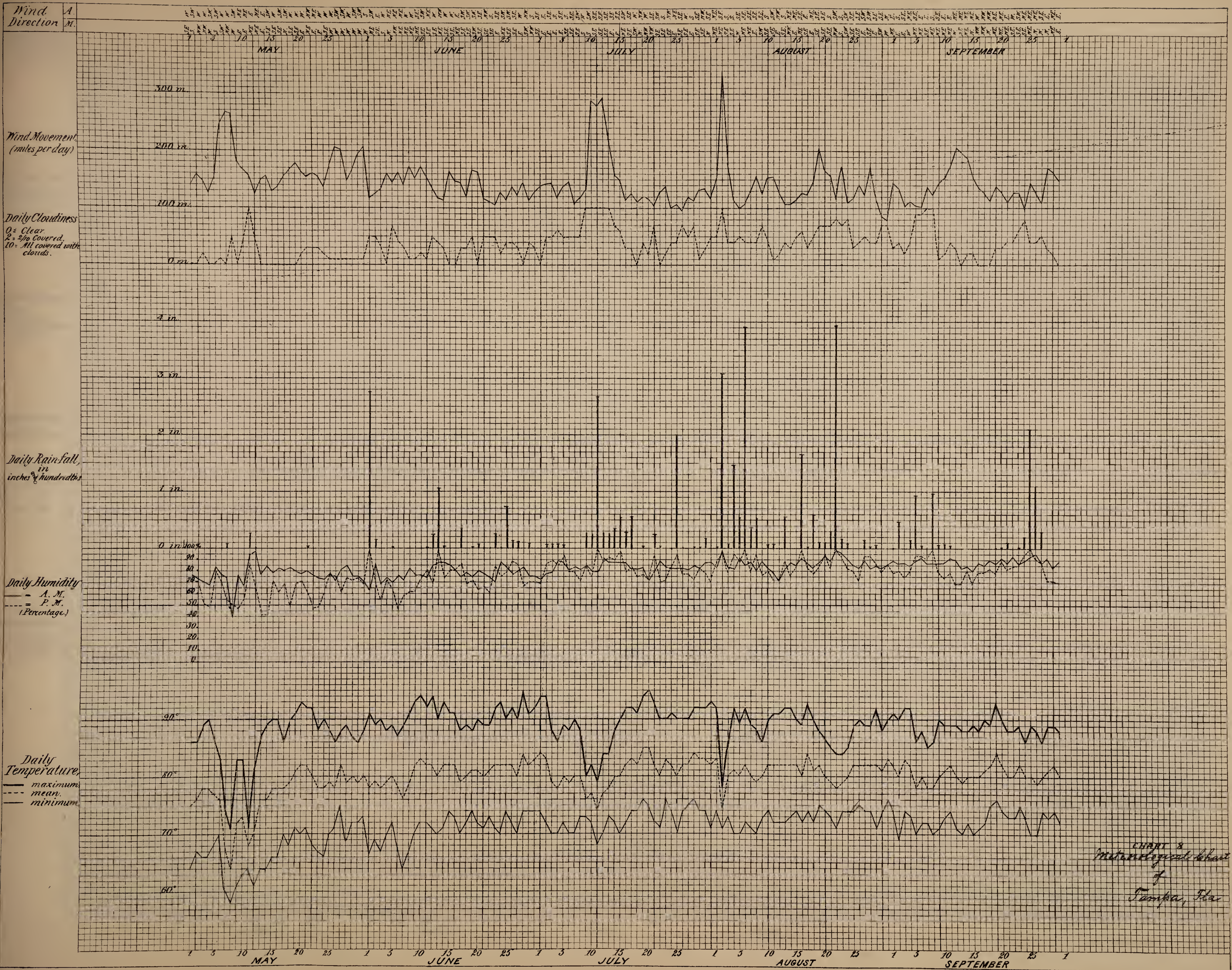


















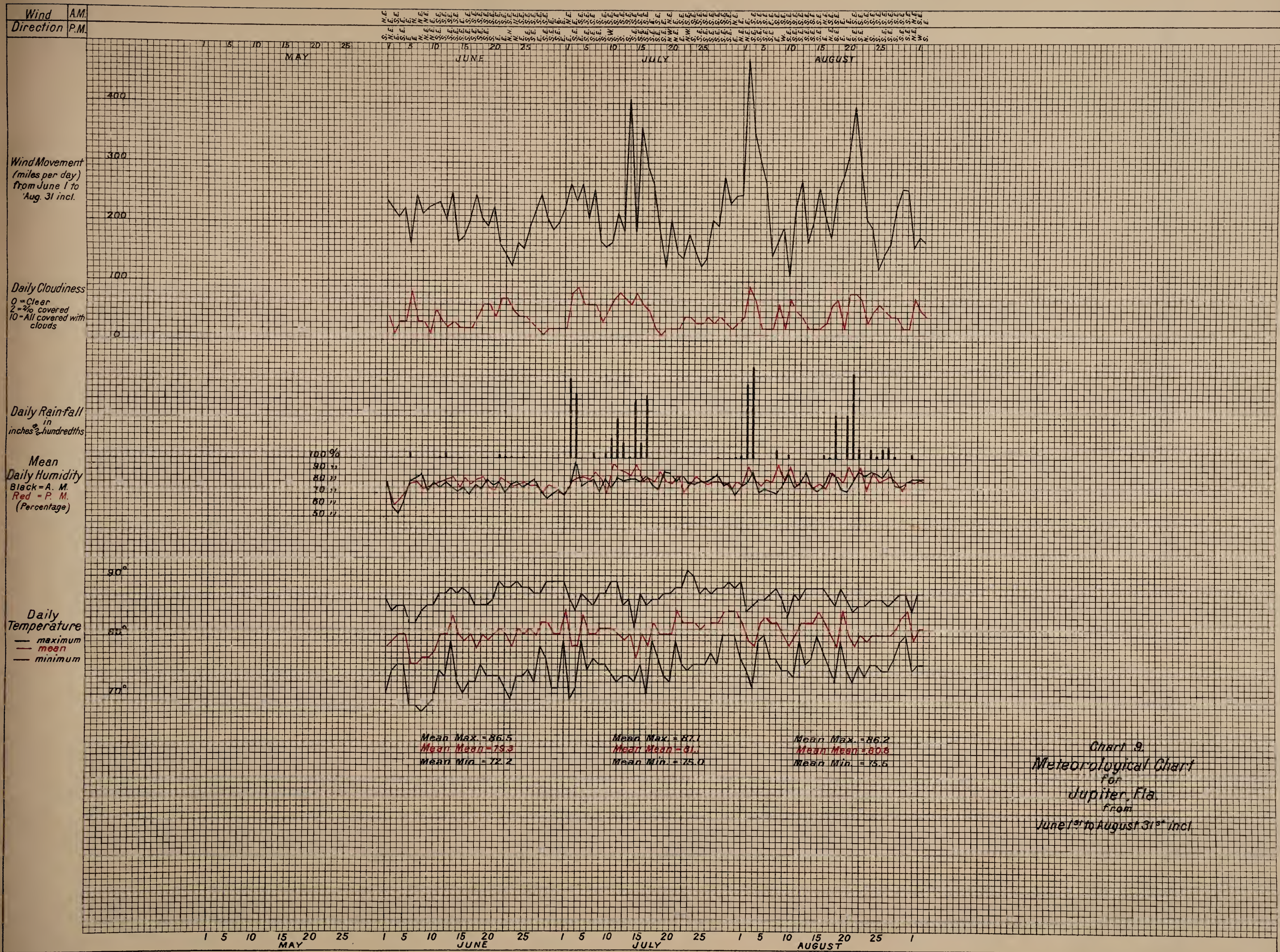


Chart 3  
Meteorological Chart  
for  
Jupiter, Fla.  
from  
June 1<sup>st</sup> to August 31<sup>st</sup> incl.







CHART 10.

SKETCH MAP  
OF  
**CAMP "CUBA LIBRE"**  
IN AND NEAR  
**JACKSONVILLE, FLA.**  
OCCUPIED BY  
**7<sup>TH</sup> ARMY CORPS.**  
JUNE-NOV.  
1898.

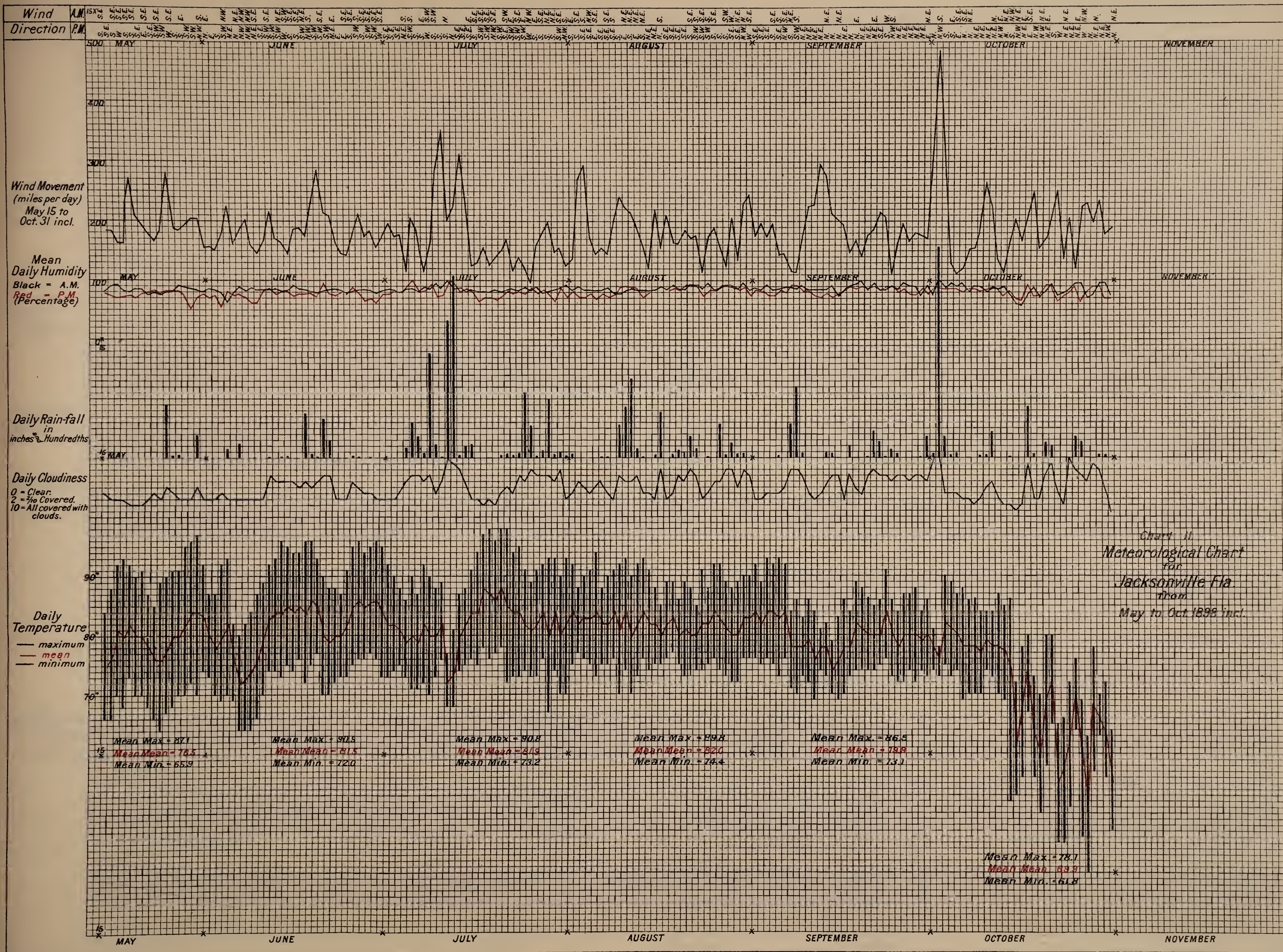


Scale. — Statute Miles.





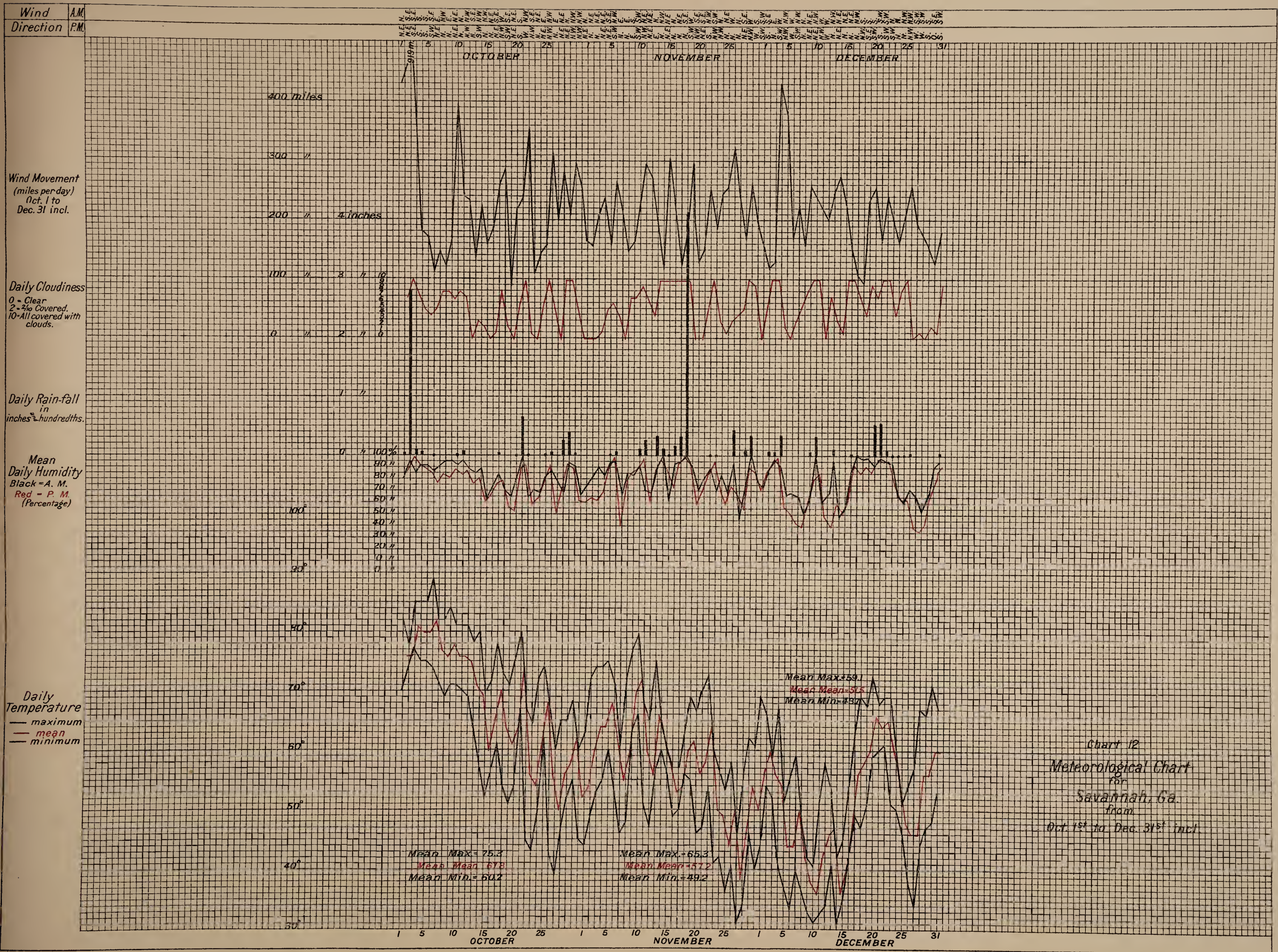






















FIRST KENTUCKY VOLUNTEER INFANTRY.

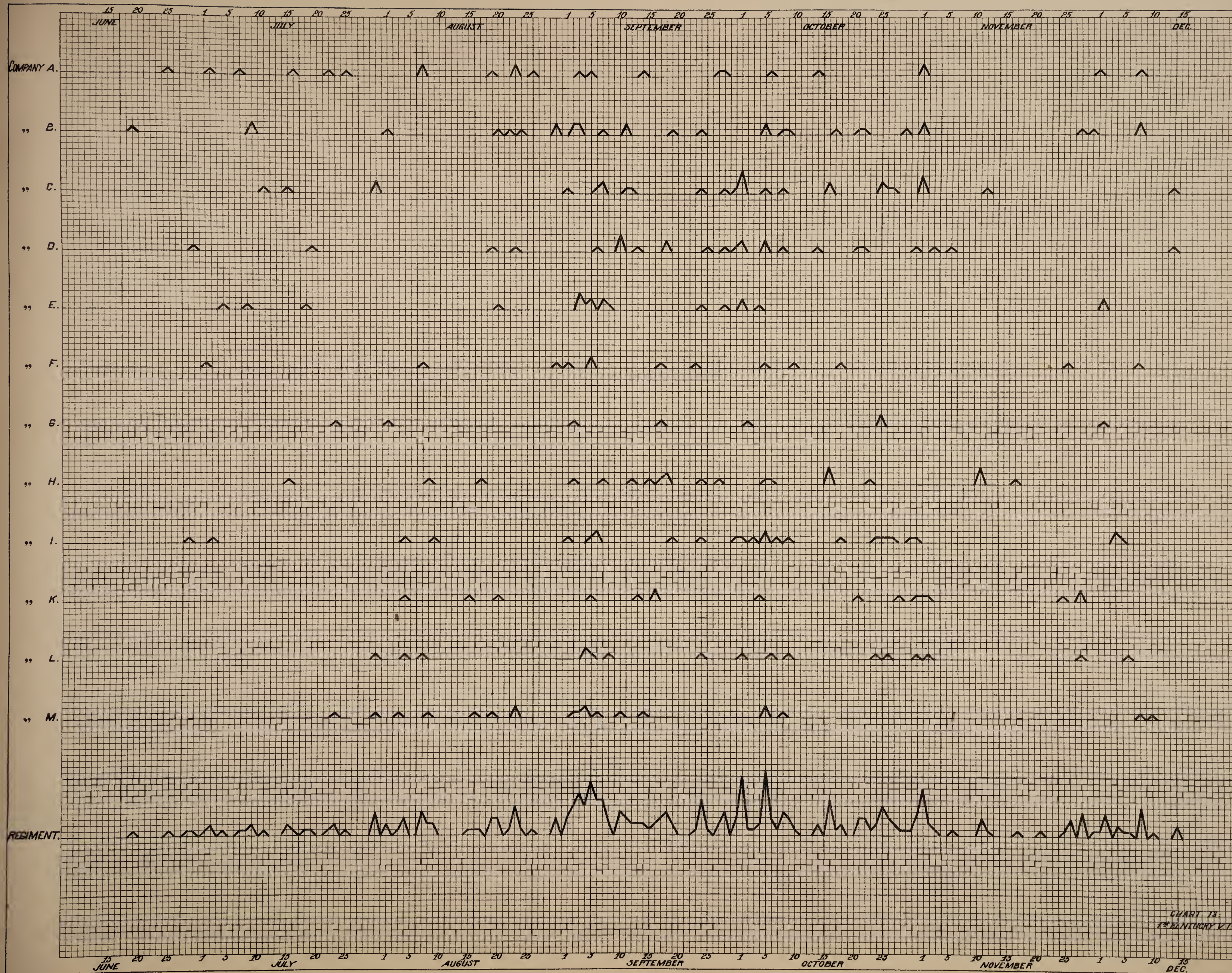
Chart 13, showing the prevalence of typhoid fever in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 1.)

Camps:

- June 5 to June 10, 1898, Lexington, Ky.
- June 11 to July 26, 1898, Chickamauga Park, Ga.
- July 28 to August 1 and 9, 1898, Newport News, Va.
- August 8 to 16 to December 6, 1898, Porto Rico.
- December 10, 1898, arrived at Newport News, Va.

Period of service covered by this report, five months twenty-six days.	
Mean strength.....	1,318
Morbidity:	
Certain and probable typhoid .....	262
Mortality:	
Deaths from all causes.....	28
Deaths from typhoid fever.....	18
Per cent of deaths among probable typhoid .....	6.87
Per cent of typhoid deaths to deaths from all causes ...	64.28















### THIRD WISCONSIN VOLUNTEER INFANTRY.

Chart 14, showing the prevalence of typhoid fever in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 9.)

#### Camps:

May 8, 1898, mustered in at Milwaukee, Wis.  
 May 15 to July 5, 1898, Chickamauga Park, Ga.  
 July 6 to July 20, Charleston, S. C.  
 July 27, 1898, landed at Ponce, P. R.  
 January 4 to 17, 1899, mustered out at Milwaukee, Wis.

Period of service covered by this report, six months three days.

Mean strength..... 1,313

#### Morbidity:

Certain and probable typhoid ..... 378

#### Mortality:

Deaths from all causes..... 36

Deaths from typhoid fever..... 25

Per cent of deaths among probable typhoid .... 6.61

Per cent of typhoid deaths to deaths from all causes... 69.44



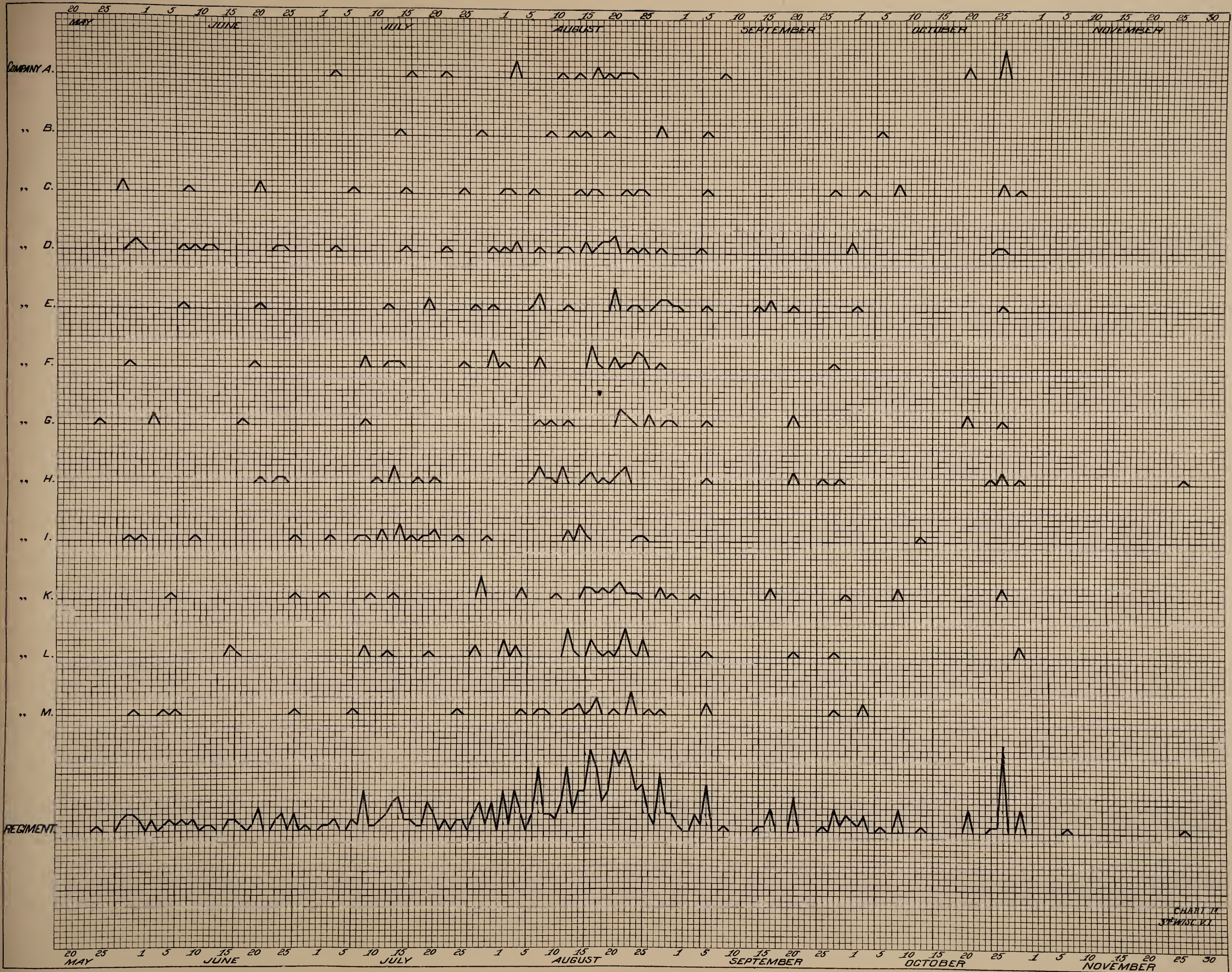


CHART 17  
3rd WISC. RI











FOURTH OHIO VOLUNTEER INFANTRY.

Chart 15, showing the prevalence of typhoid fever in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 21.)

Camps:

- May 9 to 16, 1898, Columbus, Ohio.
- May 16 to July 22, 1898, Chickamauga Park, Ga.
- July 22, 1898, left for Porto Rico.
- January 20, 1899, mustered out, Columbus, Ohio.

Period of service covered by this report, five months nine days.	
Mean strength.....	1, 313
Morbidity:	
Certain and probable typhoid .....	146
Mortality:	
Deaths from all causes .....	26
Deaths from typhoid fever.....	16
Per cent of deaths among probable typhoid .....	10. 95
Per cent of typhoid deaths to deaths from all causes...	61. 53



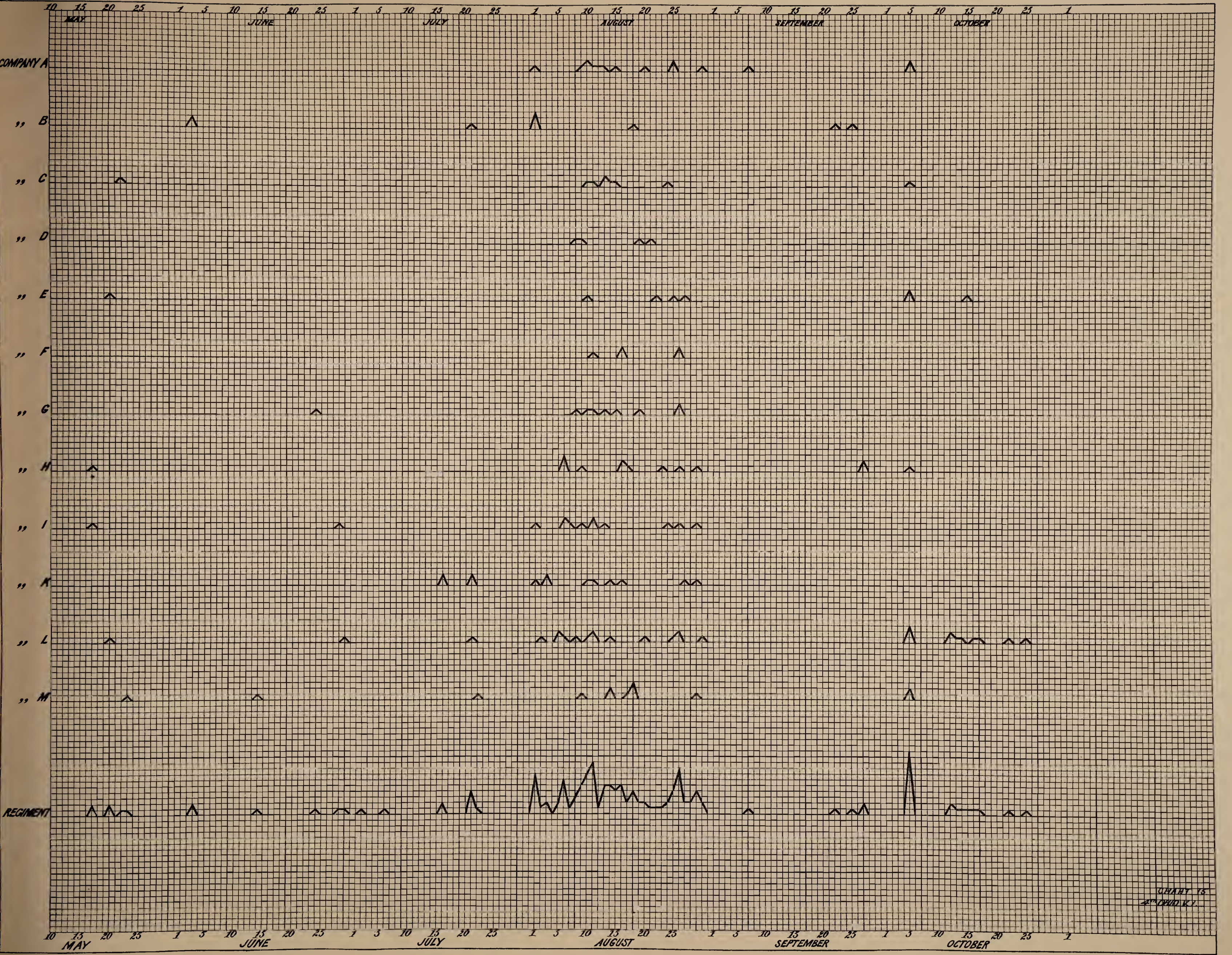


CHART IS  
A CHART











FOURTH PENNSYLVANIA VOLUNTEER INFANTRY.

Chart 16. For history of this regiment see vol. 1, page 27.

Summary:

Assembled at Mount Gretna, Pa., in April, 1898.

Mustered into United States service May 10, 1898.

Arrived at Chickamauga Park May 16, 1898.

Strength on arrival, 640.

Date of first case of probable typhoid fever, June 1, 1898.

Date of first case of recognized typhoid fever, June 1, 1898.

Left Chickamauga July 23, 1898.

Strength on departure..... 1,294

Number of cases probable typhoid fever developed at Chicka-  
mauga ..... 26

Total deaths in the regiment ..... 35

Deaths due to typhoid fever ..... 24



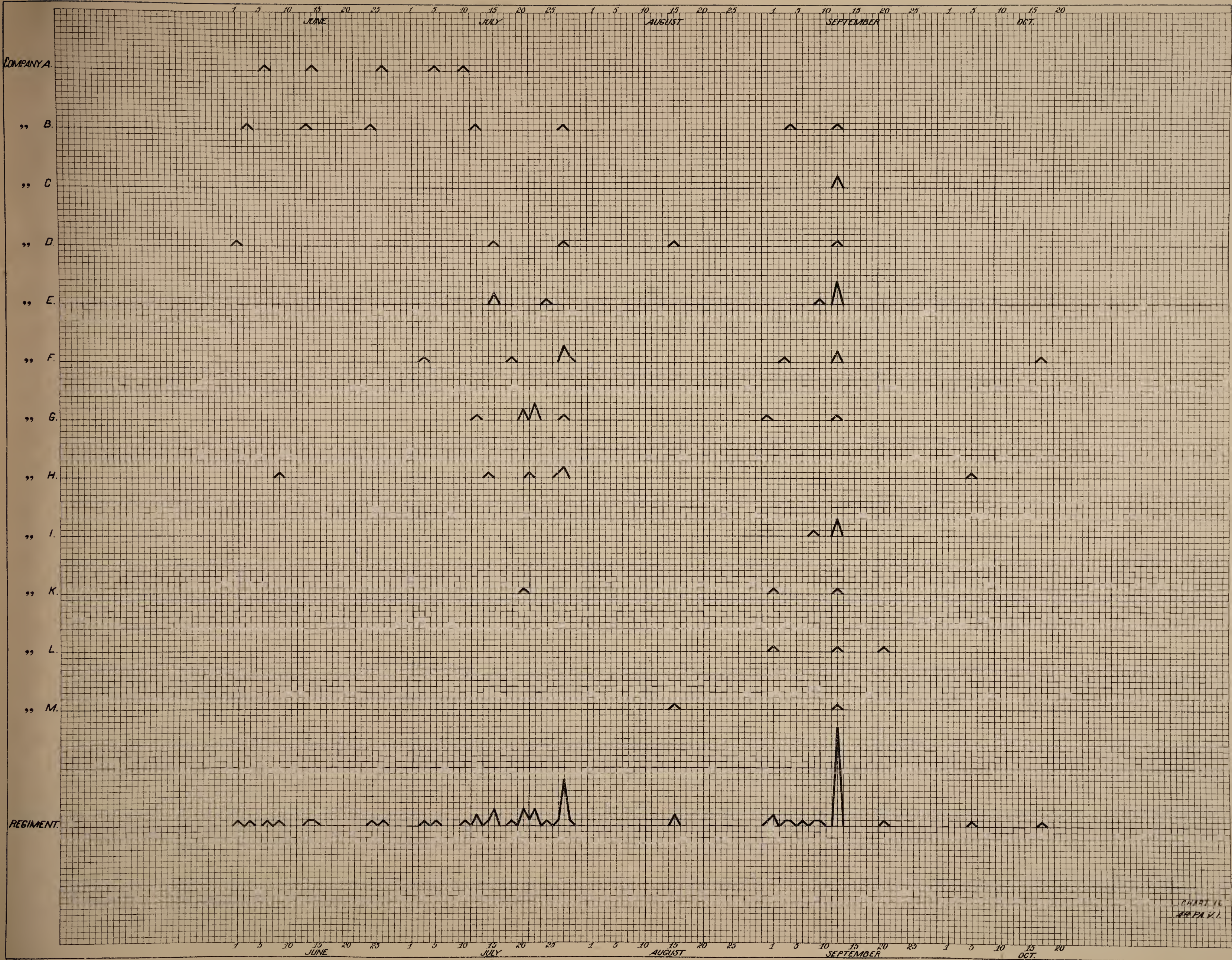


CHART 16  
APPENDIX











SIXTEENTH PENNSYLVANIA VOLUNTEER INFANTRY.

Chart 17, showing the prevalence of typhoid fever in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 28.)

Camps:

- May 10, 1898, two battalions,mustered in.
- July 18, 1898, third battalion mustered in.
- May 17 to July 6, 1898, Chickamauga Park, Ga.
- July 6, 1898, first two battalions to Porto Rico, third battalion to Camp Meade, Pa., and later to Porto,Rico.

Period of service covered by this report, six months twenty-two days.	
Mean strength.....	865
Morbidity:	
Certain and probable typhoid .....	118
(Record incomplete.)	
Mortality:	
Deaths from all causes.....	41
Deaths from typhoid fever.....	34



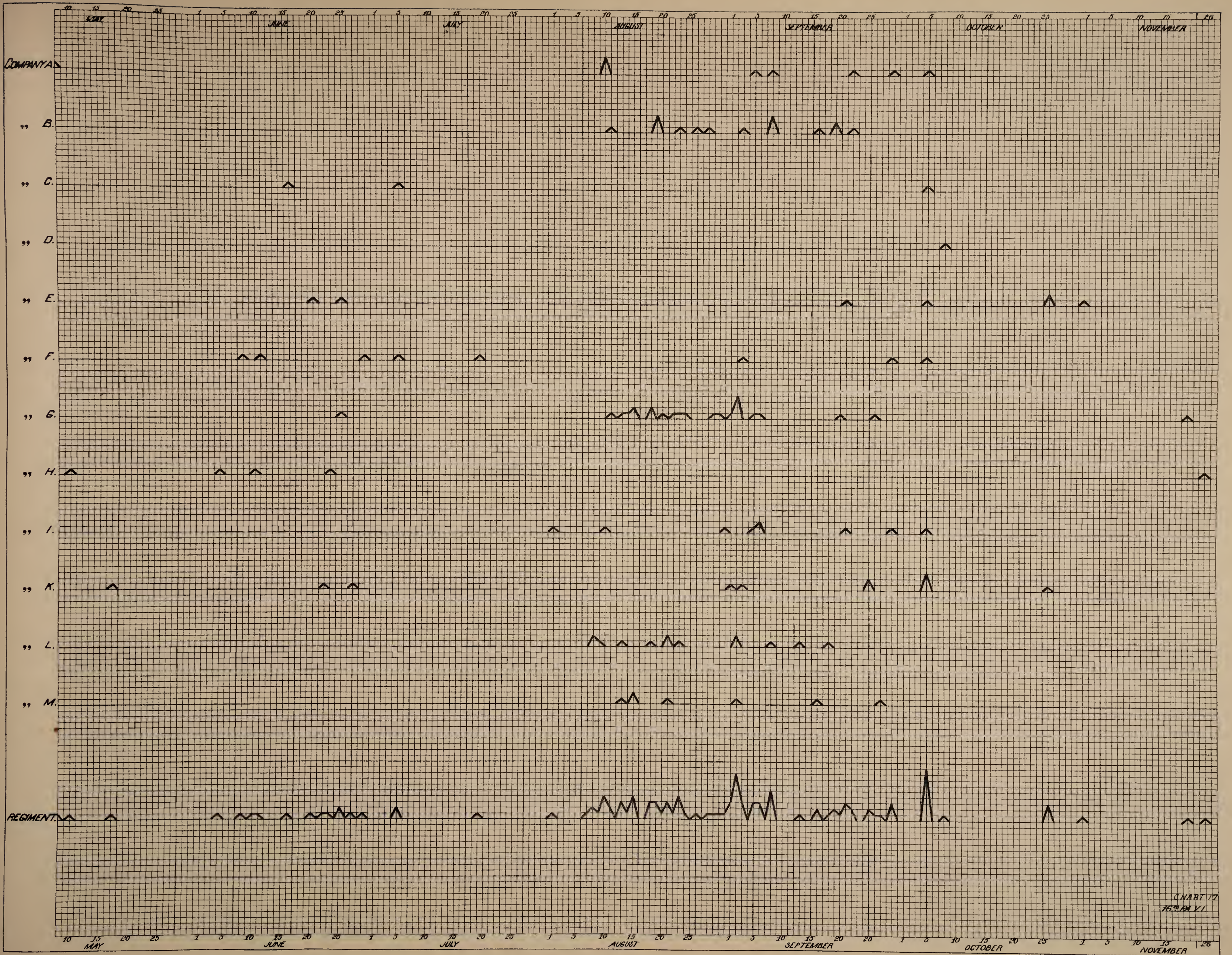


CHART 77  
163 PM V.I.











## SECOND WISCONSIN VOLUNTEER INFANTRY.

Chart 18, showing the prevalence of typhoid fever in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 32.)

### Camps:

April 28 to May 14, 1898, Milwaukee, Wis.  
 May 17 to July 6, 1898, Chickamauga Park, Ga.  
 July 7 to July 20, 1898, Charleston, S. C.; regiment went to Porto Rico.  
 November 9 to 21, 1898, mustered out, Milwaukee, Wis.

Period of service covered by this report, four months twenty-four days.

Mean strength..... 1,326

### Morbidity:

Certain and probable typhoid ..... 329

### Mortality:

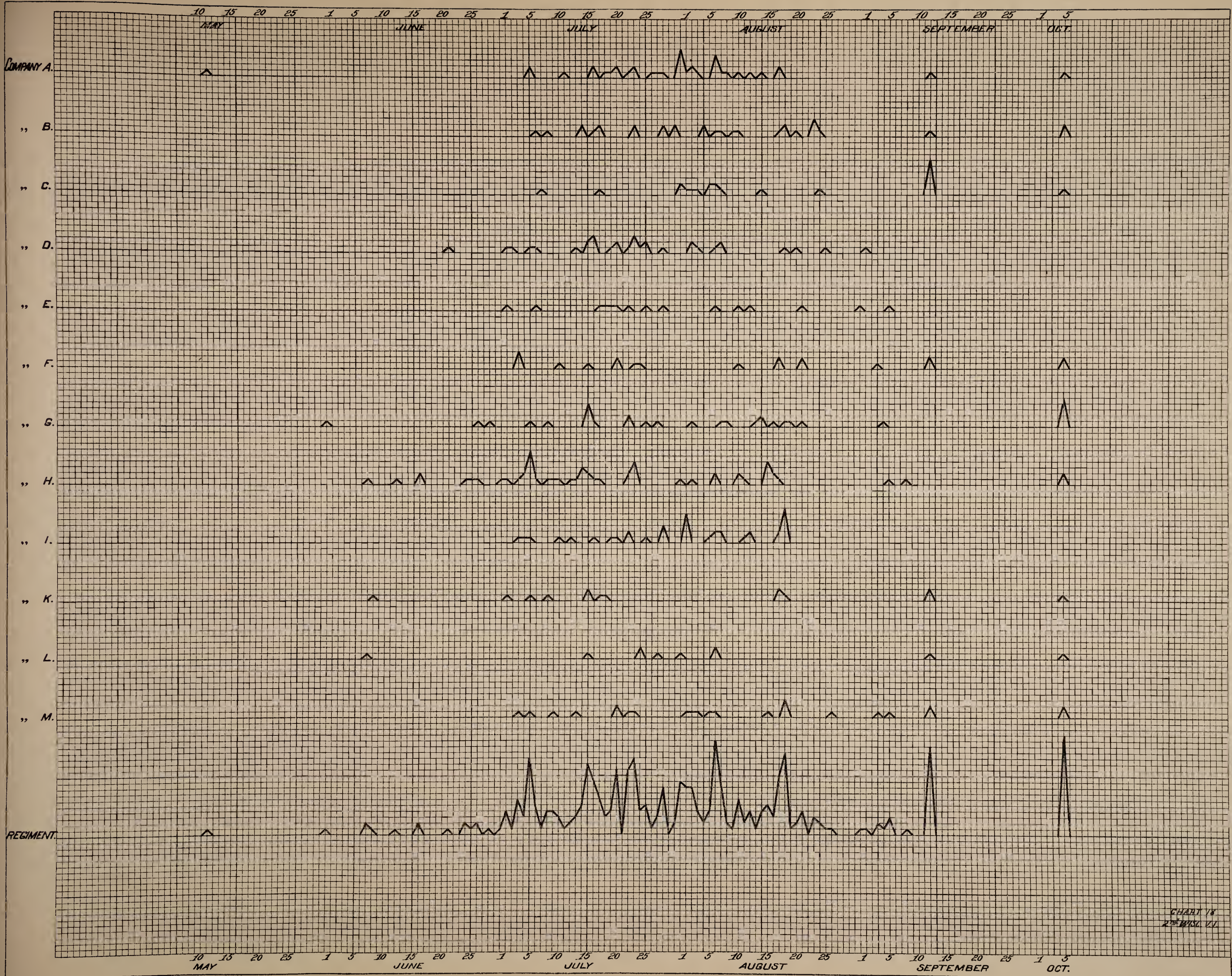
Deaths from all causes ..... 41

Deaths from typhoid fever..... 27

Per cent of deaths among probable typhoid..... 8.20

Per cent of typhoid deaths to deaths from all causes... 65.85















ONE HUNDRED AND FIFTY-EIGHTH INDIANA VOLUNTEER INFANTRY.

Chart 19, showing the prevalence of typhoid fever in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 62.)

- Camps:
- May 10 to May 16, 1898, Indianapolis, Ind.
  - May 18 to August 25, 1898, Chickamauga Park, Ga.
  - August 26 to September 12, 1898, Knoxville, Tenn.

Period of service covered by this report, two months nineteen days.	
Mean strength.....	1, 288
Morbidity:	
Certain and probable typhoid .....	128
Mortality:	
Deaths from all causes.....	12
Deaths from typhoid fever.....	10
Per cent of deaths among probable typhoid.....	7. 81
Per cent of typhoid deaths to deaths from all causes...	83. 33



COMPANY A.

„ B.

„ C.

„ D.

„ E.

„ F.

„ G.

„ H.

„ I.

„ K.

„ L.

„ M.

REGIMENT

15 20 25 1 5 10 15 20 25 1 5 10 15 20 25 1 5 10  
JUNE JULY AUGUST SEPT.

15 20 25 1 5 10 15 20 25 1 5 10 15 20 25 1 5 10  
JUNE JULY AUGUST SEPT.











SIXTH OHIO VOLUNTEER INFANTRY.

Chart 20, showing the prevalence of the more important diseases in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 65.)

Camps:

- April 29 to May 15, 1898, Columbus, Ohio.
- May 18 to August 27, 1898, Chickamauga Park, Ga.
- August 27, 1898, left for Knoxville, Tenn.
- May 24, 1899, mustered out at Augusta, Ga.

Period of service covered by this report, six months thirteen days.

Mean strength----- 1, 299

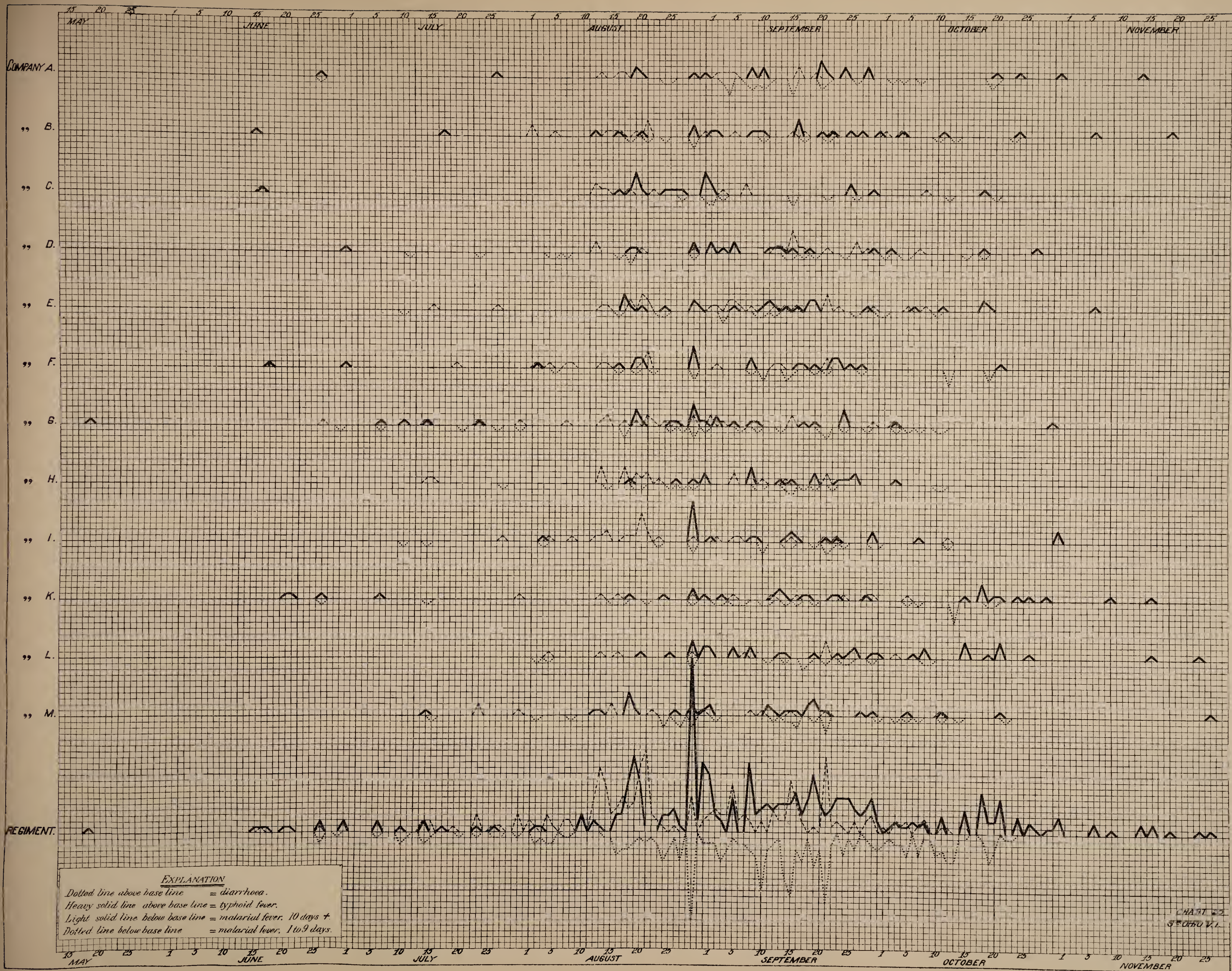
Morbidity:

- Probable typhoid, including recognized ----- 291
- Recognized typhoid ----- 148
- Diarrheal diseases ----- 57
- Malaria (so called) ----- 86

Mortality:

- Deaths from all causes ----- 21
- Deaths from typhoid fever ----- 19
- Per cent of deaths among probable typhoid ----- 6. 52
- Per cent of typhoid deaths to deaths from all causes --- 90. 48















# FIRST WEST VIRGINIA VOLUNTEER INFANTRY.

Chart 21, showing the prevalence of typhoid fever in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 74.)

## Camps:

May 7 to May 19, 1898, Charleston, W. Va.  
May 20 to August 26, 1898, Chickamauga Park, Ga.  
August 26, 1898, moved to Knoxville, Tenn.  
February 4, 1899, mustered out at Columbus, Ga.

Period of service covered by this report, six months sixteen days.

Mean strength..... 1,298

## Morbidity:

Certain and probable typhoid ..... 260

## Mortality:

Deaths from all causes ..... 15

Deaths from typhoid fever..... 12

Per cent of deaths among probable typhoid..... 4.61

Per cent of typhoid deaths to deaths from all causes... 80.00



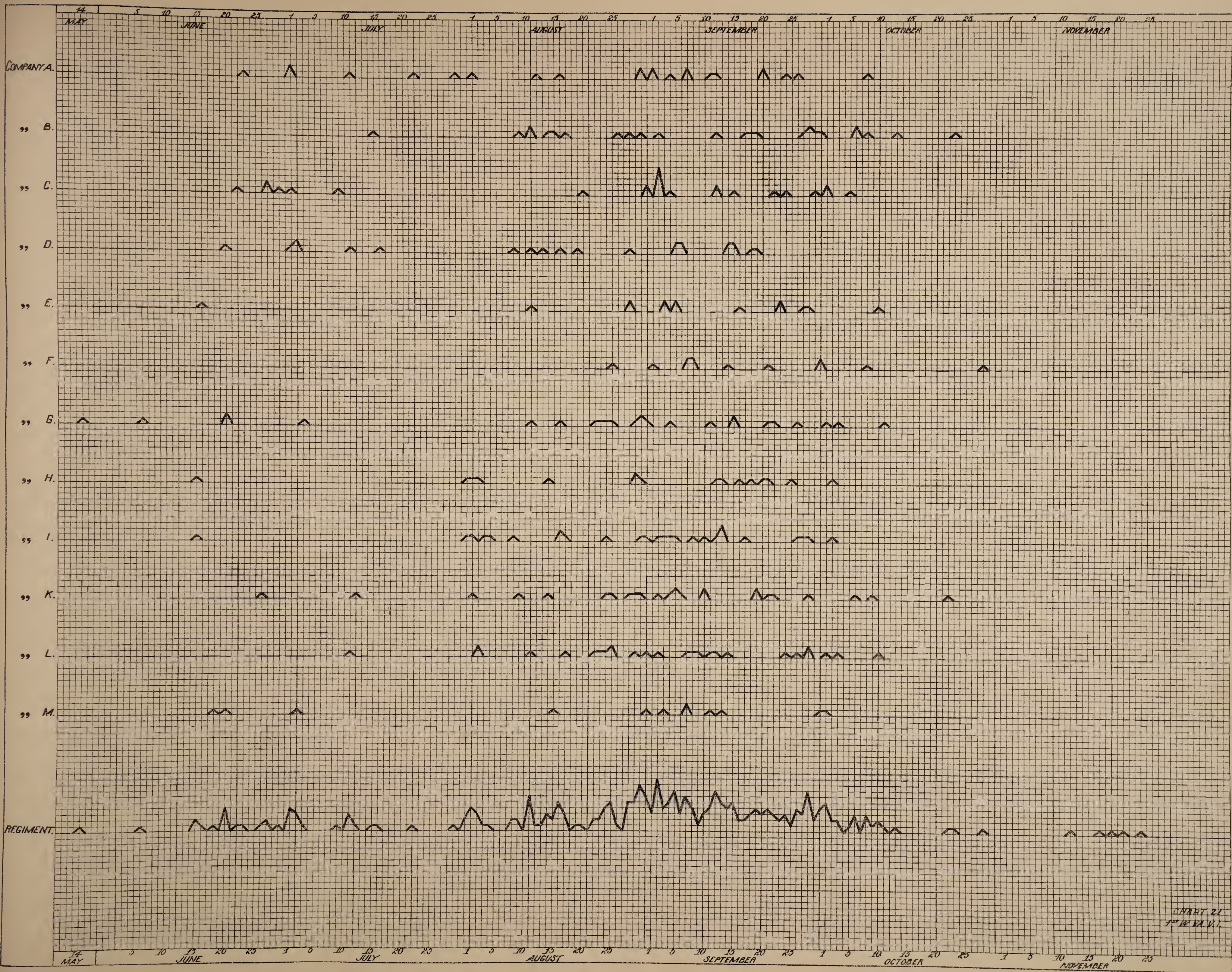


CHART 21  
1st MA. VI.











# FIRST PENNSYLVANIA VOLUNTEER INFANTRY.

Chart 22, showing the prevalence of typhoid fever in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 88.)

## Camps:

April 28 to May 11, 1898, Mount Gretna, Pa.  
 May 18 to August 29, 1898, Chickamauga Park, Ga.  
 August 30 to September 15, 1898, Knoxville, Tenn.  
 September 16, 1898, arrived at Philadelphia, Pa.  
 October 26, 1898, mustered out at Philadelphia, Pa.

Period of service covered by this report, five months seven days.

Mean strength..... 1,071

## Morbidity:

Certain and probable typhoid..... 222

## Mortality:

Deaths from all causes..... 14

Deaths from typhoid fever..... 12

Per cent of deaths among probable typhoid..... 5.40

Per cent of typhoid deaths to deaths from all causes... 85.71



COMPANY A.

" B.

" C.

" D.

" E.

" F.

" G.

" H.

" I.

" K.

REGIMENT.

10 15 20 25 1 5 10 15 20 25 1 5 10 15 20 25 1 5 10 15 20 25 1 5 10 15  
MAY JUNE JULY AUGUST SEPTEMBER OCT.

10 15 20 25 1 5 10 15 20 25 1 5 10 15 20 25 1 5 10 15 20 25 1 5 10 15  
MAY JUNE JULY AUGUST SEPTEMBER OCT.











# FOURTEENTH MINNESOTA VOLUNTEER INFANTRY.

Chart 23, showing the prevalence of typhoid fever in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 94.)

## Camps:

- May 10 to May 15, 1898, St. Paul, Minn.
- May 18 to August 29, Chickamauga Park, Ga.
- August 30 to September 20, 1898, Knoxville, Tenn.
- November 18, 1898, mustered out at St. Paul, Minn.

Period of service covered by this report, four months four days.

Mean strength..... 1,277

## Morbidity:

Certain and probable typhoid ..... 286

## Mortality:

Deaths from all causes..... 13

Deaths from typhoid fever..... 12

Per cent of deaths among probable typhoid..... 4.19

Per cent of typhoid deaths to deaths from all causes... 91.54



COMPANY A.

„ B.

„ C.

„ D.

„ E.

„ F.

„ G.

„ H.

„ I.

„ K.

„ L.

„ M.

REGIMENT.

25 1 5 10 15 20 25 1 5 10 15 20 25 1 5 10 15 20 25 1 5 10 15 20 25 30  
MAY JUNE JULY AUGUST SEPTEMBER

25 1 5 10 15 20 25 1 5 10 15 20 25 1 5 10 15 20 25 30  
MAY JUNE JULY AUGUST SEPTEMBER

CHART 23  
14 JANUARY 1917











## SECOND OHIO VOLUNTEER INFANTRY.

Chart 24, showing the prevalence of typhoid fever in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 96.)

### Camps:

May 10 to 16, 1898, Columbus, Ohio.  
May 18 to August 28, 1898, Chickamauga Park, Ga.  
August 28, 1898, left for Knoxville, Tenn.  
February 10 to 15, 1899, mustered out, Mason, Ga.

Period of service covered by this report, five months twenty-one days.

Mean strength..... 1,297

### Morbidity:

Certain and probable typhoid ..... 403

### Mortality:

Deaths from all causes..... 14

Deaths from typhoid fever..... 13

Per cent of deaths among probable typhoid..... 3.22

Per cent of typhoid deaths to deaths from all causes... 92.85



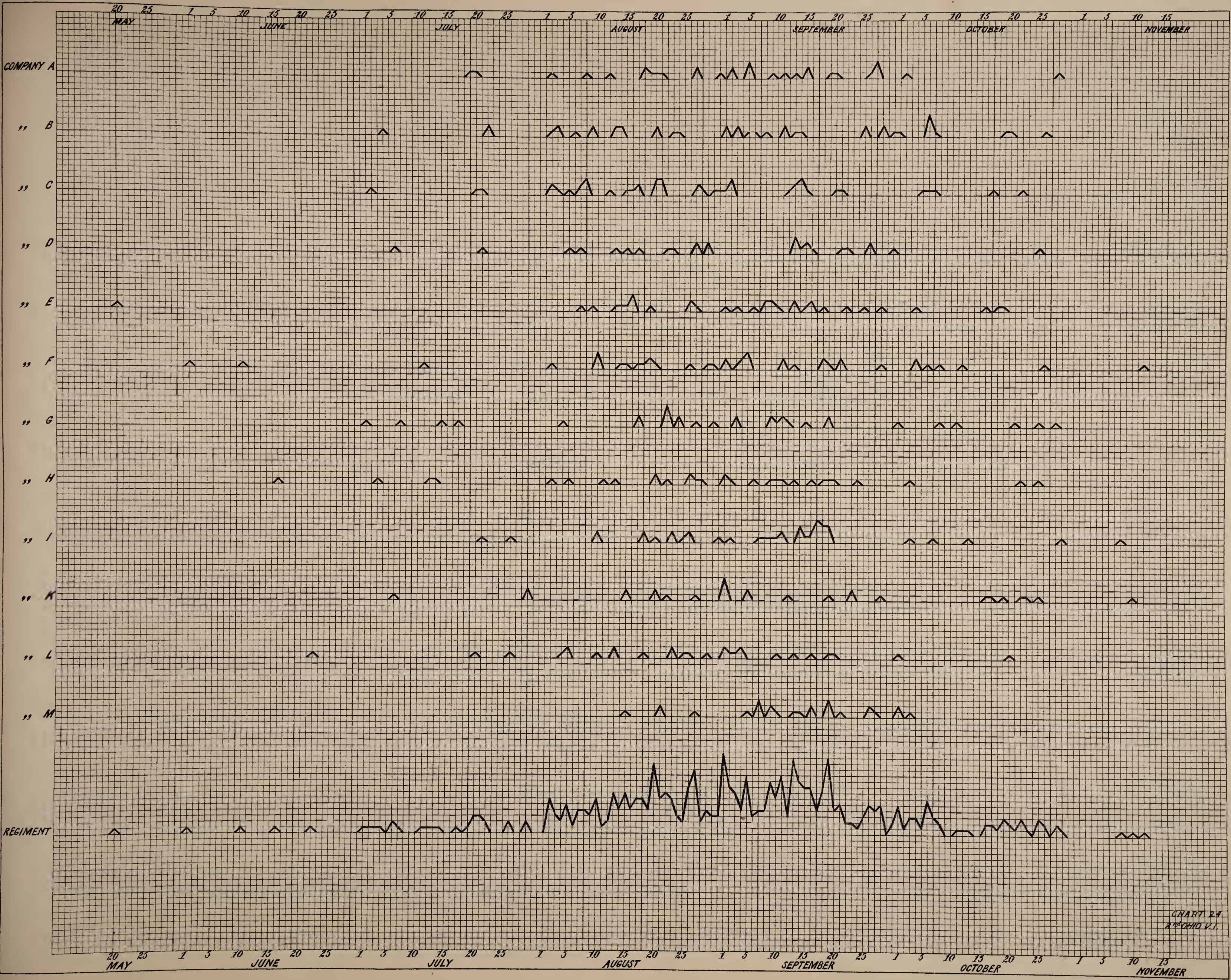


CHART 24  
2nd OHIO V.I.











THIRD NORTH CAROLINA VOLUNTEER INFANTRY.

Chart 25, showing the prevalence of typhoid fever in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 103.)

Camps:

- May 12 to September 14, 1898, Fort Macon, N. C.
- September 14 to ———, 1898, Knoxville, Tenn.
- January 31, 1898, and February 8, 1899, mustered out.

Period of service covered by this report, four months eight days.	
Mean strength .....	1,090
Morbidity:	
Certain and probable typhoid .....	58
Mortality:	
Deaths from all causes.....	7
Deaths from typhoid fever.....	7
Per cent of deaths among probable typhoid.....	12.07
Per cent of typhoid deaths to deaths from all causes...	100.00



COMPANY A.

" B.

" C.

" D.

" E.

" F.

" G.

" H.

" I.

" K.

" L.

" M.

REGIMENT.

10 15 20 25 1 5 10 15 20 25 1 5 10 15 20 25 1 5 10 15 20 25 1 5 10 15 20 25 1

JULY AUGUST SEPTEMBER OCTOBER NOVEMBER

10 15 20 25 1 5 10 15 20 25 1 5 10 15 20 25 1 5 10 15 20 25 1

JULY AUGUST SEPTEMBER OCTOBER NOVEMBER

CHART 25.  
3<sup>rd</sup> N. CAR.

3<sup>rd</sup> N. CAR.











## TWELFTH MINNESOTA VOLUNTEER INFANTRY.

Chart 26, showing the prevalence of typhoid fever in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 113.)

### Camps:

April 29 to May 17, 1898, St. Paul, Minn.  
May 20 to August 23, 1898, Chickamauga Park, Ga.  
August 25 to September 15, 1898, Lexington, Ky.  
September 17, 1898, arrived at New Ulm, Minn.  
November 5, 1898, mustered out.

Period of service covered by this report, five months twelve days.

Mean strength..... 1,299

### Morbidity:

Certain and probable typhoid ..... 433

### Mortality:

Deaths from all causes..... 20

Deaths from typhoid fever..... 19

Per cent of deaths among probable typhoid..... 4.38

Per cent of typhoid deaths to deaths from all causes... 95.00



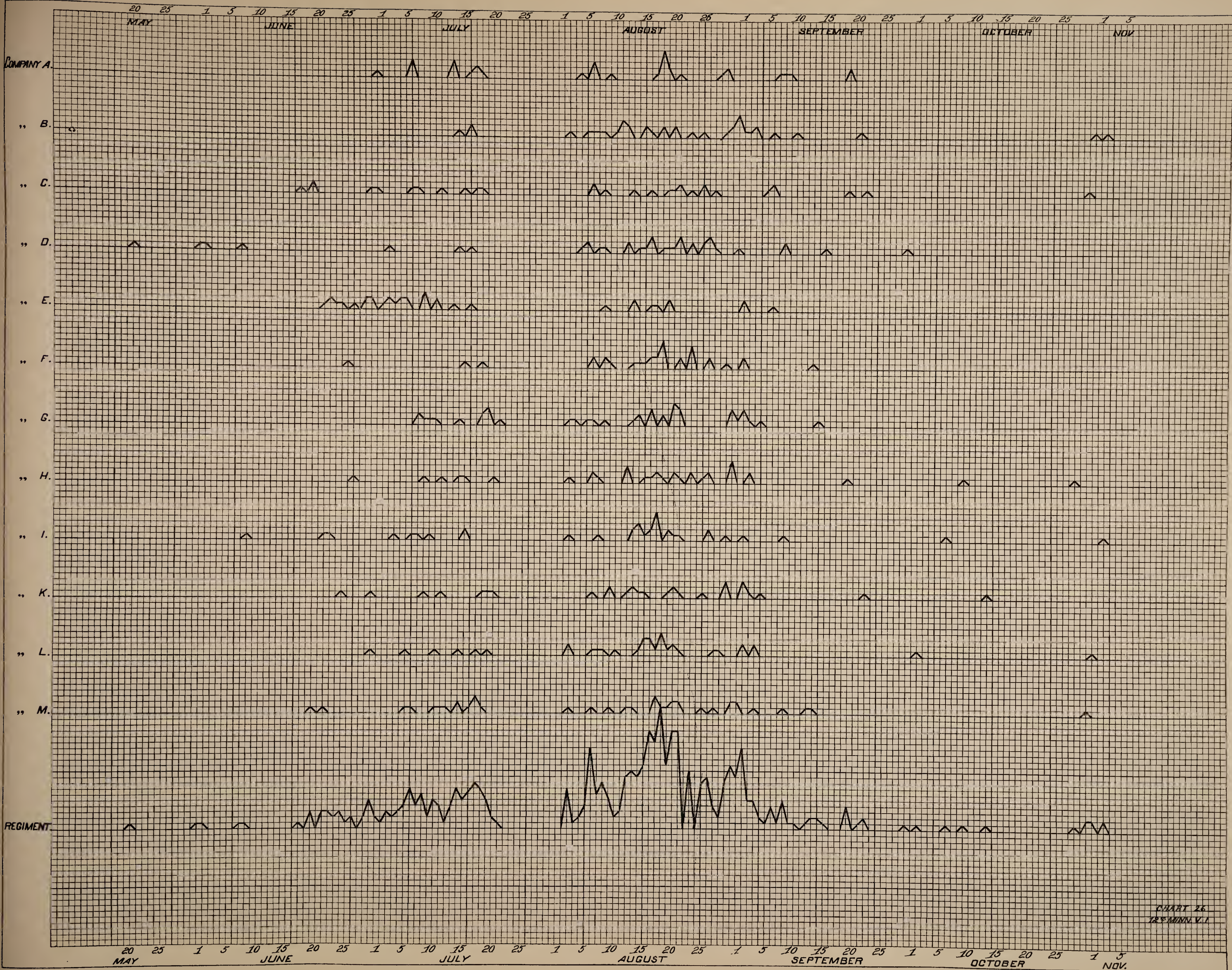


CHART 26  
18<sup>th</sup> MNV V.I.











### EIGHTH MASSACHUSETTS VOLUNTEER INFANTRY.

Chart 27, showing the prevalence of typhoid fever in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 123.)

#### Camps:

May 5 to May 18, 1898, South Framingham, Mass.  
May 20 to August 23, 1898, Chickamauga Park, Ga.  
August 25, 1898, arrived at Lexington, Ky.  
April 28, 1899, mustered out, Boston, Mass.

Period of service covered by this report, five months seventeen days.

Mean strength..... 1,317

#### Morbidity:

Certain and probable typhoid ..... 272

#### Mortality:

Deaths from all causes..... 30

Deaths from typhoid fever..... 19

Per cent of deaths among probable typhoid ..... 6.98

Per cent of typhoid deaths to deaths from all causes ... 63.33



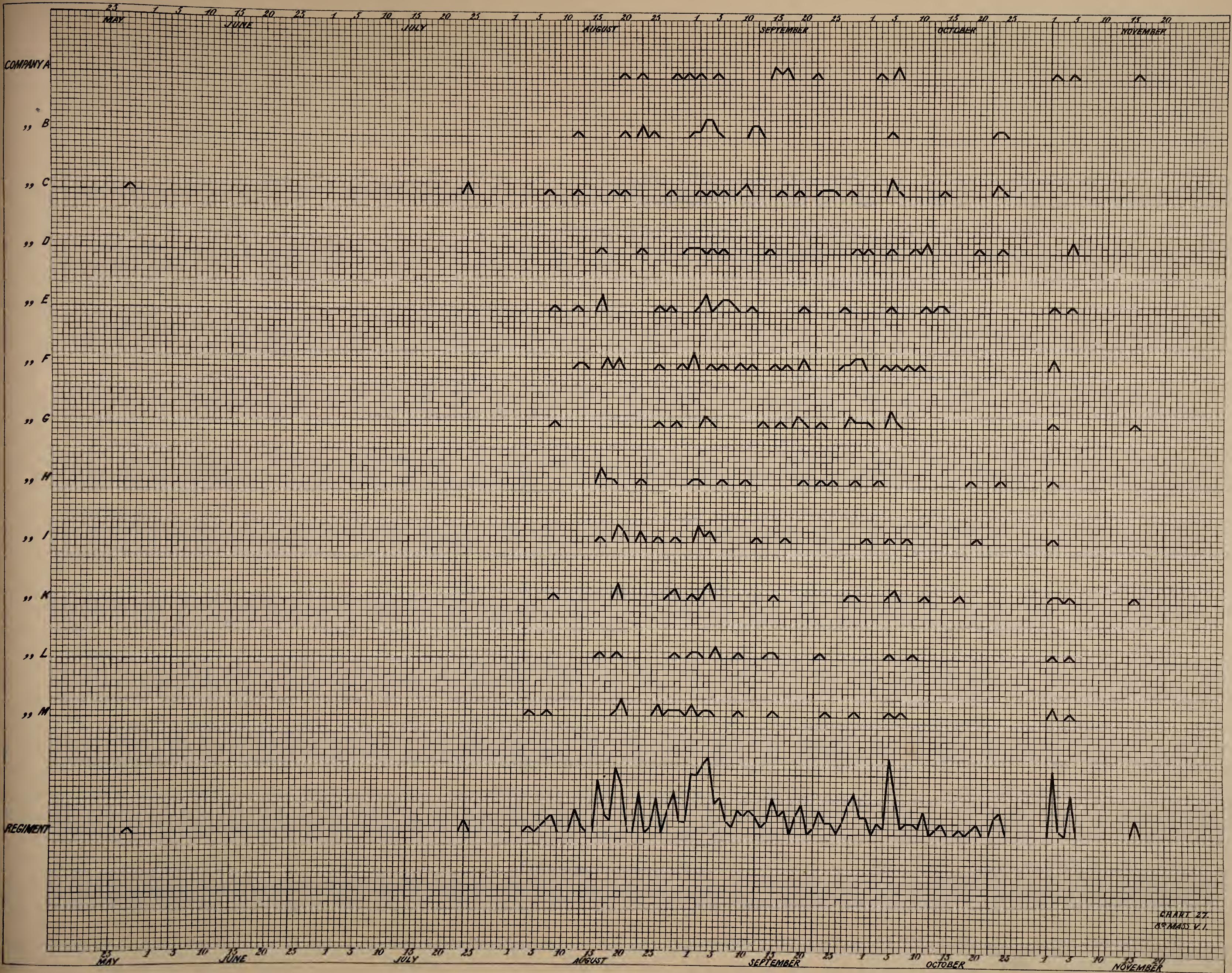


CHART 27.  
89 MASS V.I.











# TWENTY-FIRST KANSAS VOLUNTEER INFANTRY.

Chart 28, showing the prevalence of typhoid fever in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 128.)

## Camps:

May 12 to May 17, 1898, Topeka, Kans.

May 20 to August 24, 1898, Chickamauga Park, Ga.

August 25 to September —, —, Lexington, Ky.

September —, 1898, furloughed at Leavenworth, Kans.

December 10, 1898, mustered out at Fort Leavenworth, Kans.

Period of service covered by this report, five months fifteen days.

Mean strength ..... 1,264

## Morbidity:

Certain and probable typhoid ..... 294

## Mortality:

Deaths from all causes ..... 23

Deaths from typhoid fever ..... 21

Per cent of deaths among probable typhoid ..... 7.14

Per cent of typhoid deaths to deaths from all causes... 95.65



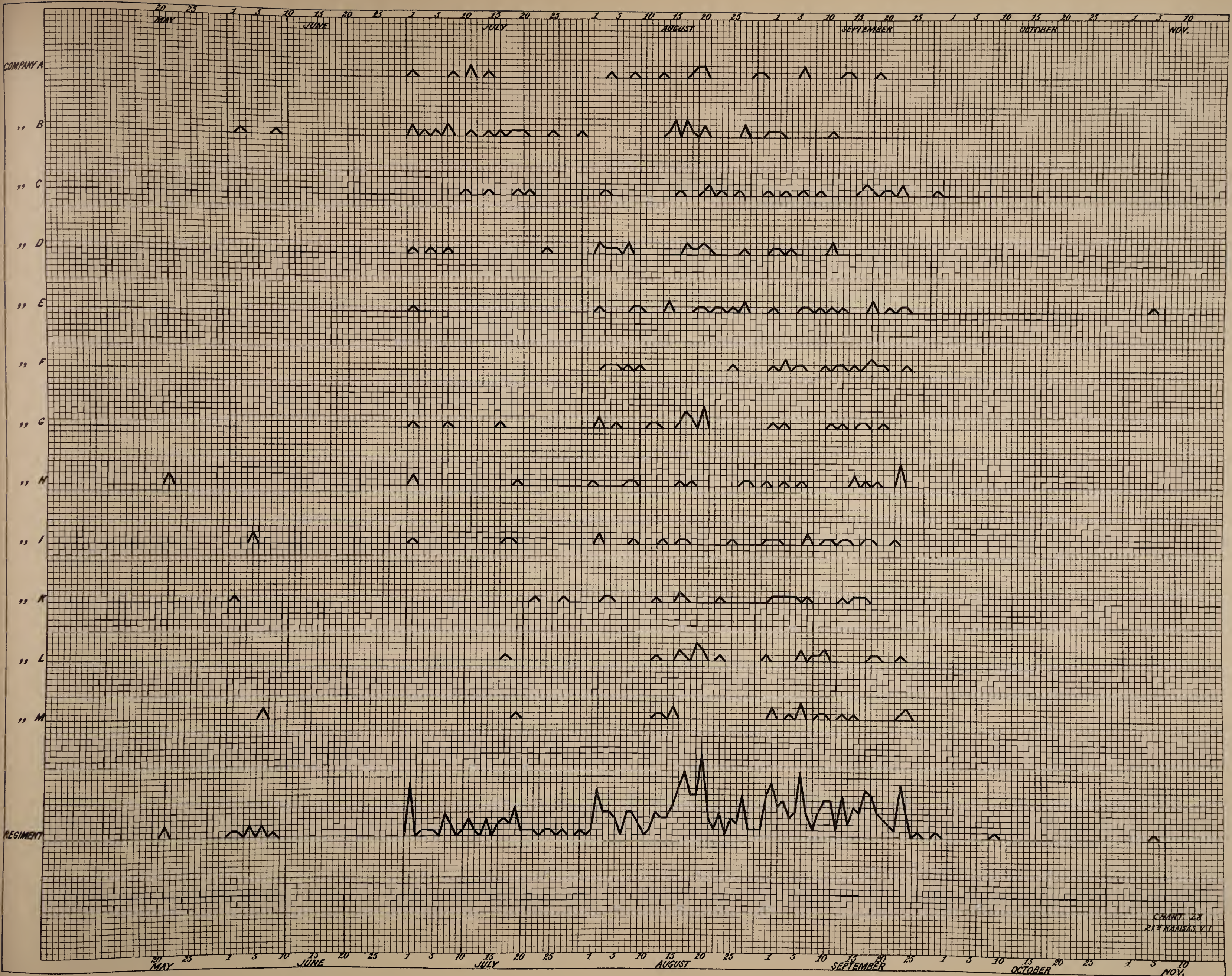


CHART 28  
21- KANSAS V.I











## TWELFTH NEW YORK VOLUNTEER INFANTRY.

Chart 29, showing the prevalence of typhoid fever in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 134.)

### Camps:

May 2 to May 17, 1898, Peekskill, N. Y.  
 May 20 to August 25, 1898, Chickamauga Park, Ga.  
 August 26 to November 13, 1898, Lexington, Ky.  
 November 13, 1898, moved to Americus, Ga.  
 April 20, 1899, mustered out, New York City.

Period of service covered by this report, five months twenty-one days.

Mean strength ..... 1,302

### Morbidity:

Certain and probable typhoid ..... 490

### Mortality:

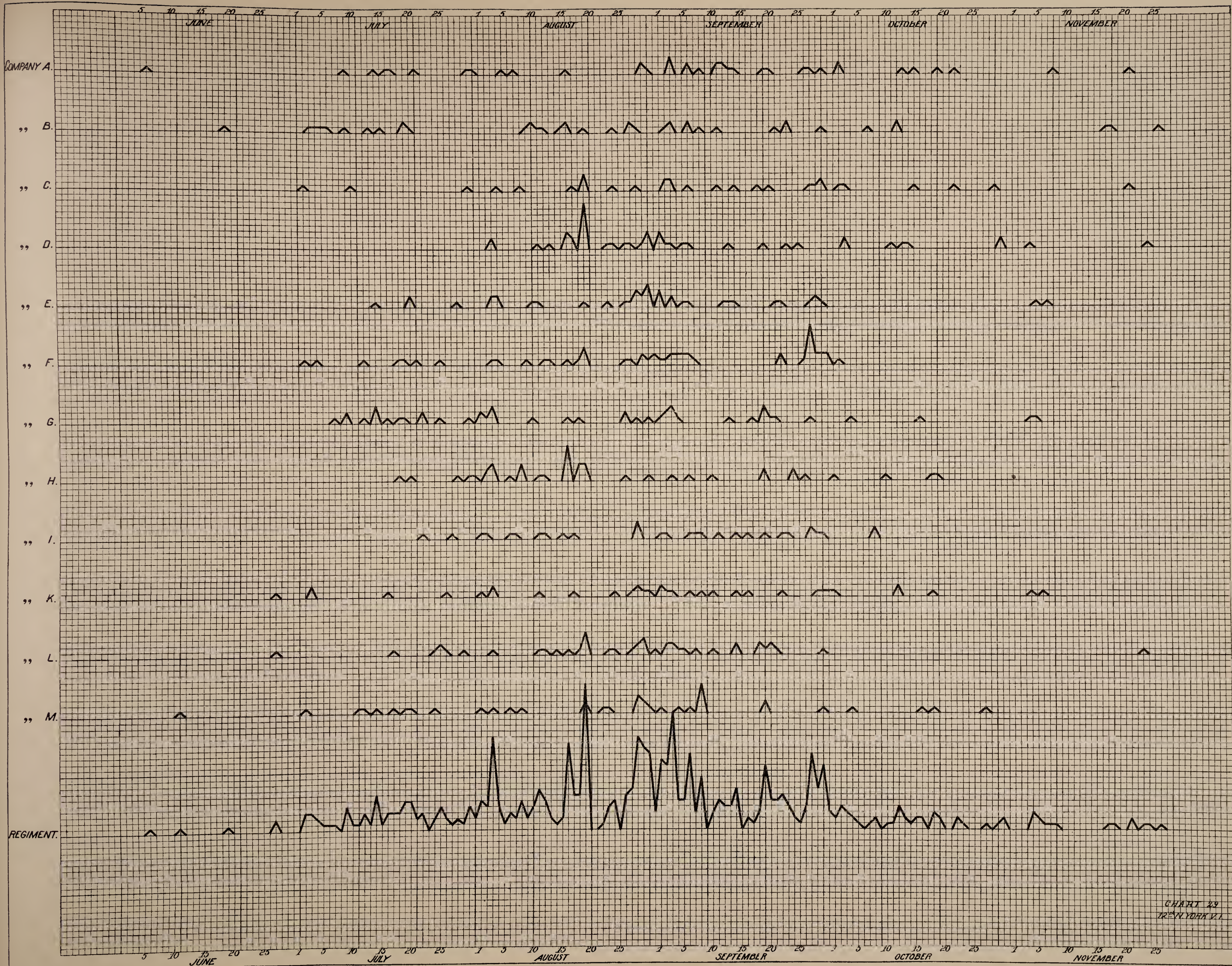
Deaths from all causes ..... 21

Deaths from typhoid fever ..... 20

Per cent of deaths among probable typhoid ..... 4.08

Per cent of typhoid deaths to deaths from all causes... 95.24















SECOND MISSOURI VOLUNTEER INFANTRY.

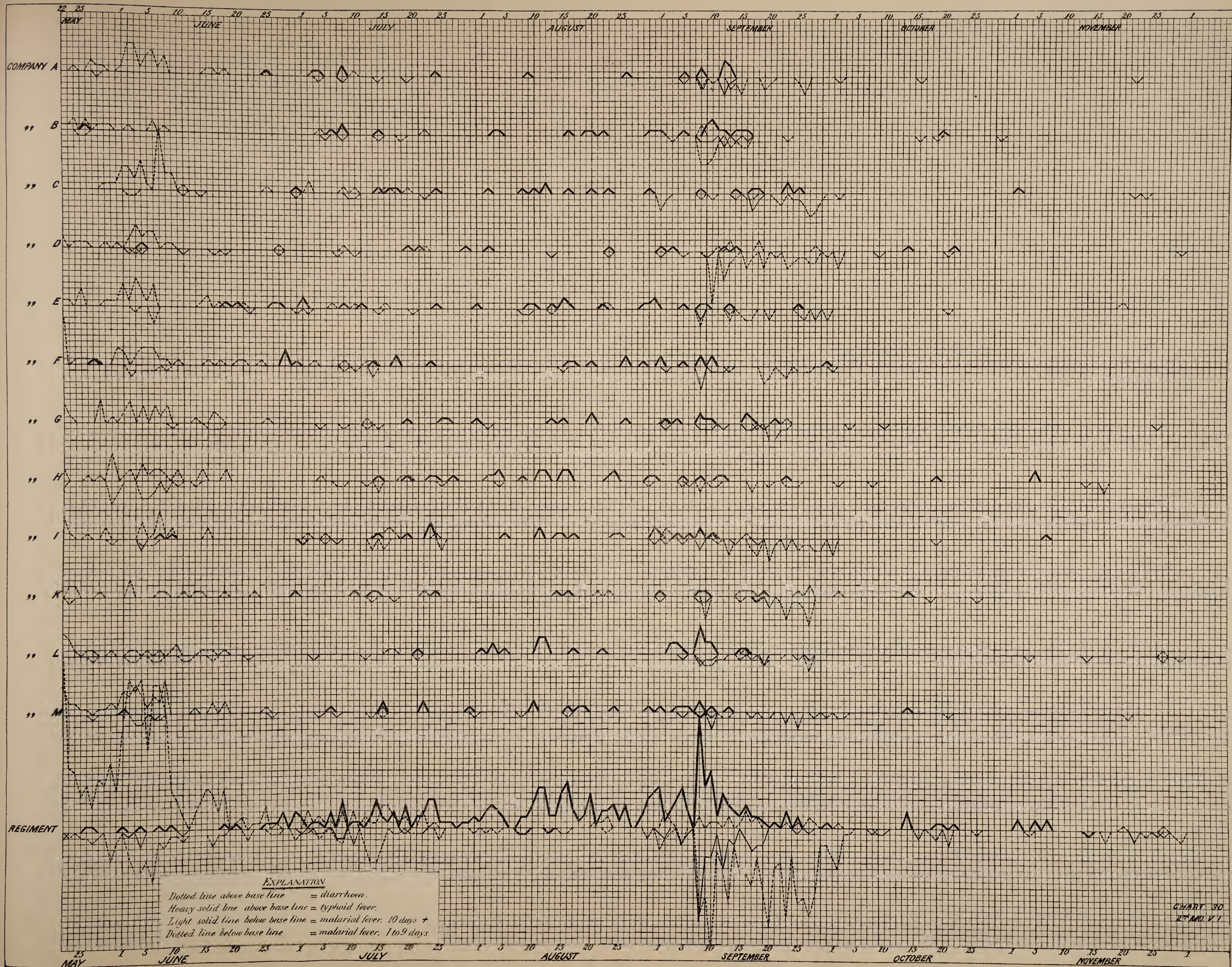
Chart 30, showing the prevalence of the more important diseases in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 145.)

Camps:

- May 5 to May 18, 1898, Jefferson Barracks, Mo.
- May 20 to August 27, 1898, Chickamauga Park, Ga.
- August 29 to November 8, 1898, Lexington, Ky.
- November 8 to March 3, 1899, Albany, Ga.

Period of service covered by this report, six months nine days.	
Mean strength.....	1,269
Morbidity:	
Probable typhoid, including recognized .....	268
Recognized typhoid .....	181
Diarrhœal diseases .....	2
Malaria (so called).....	85
	268
Mortality:	
Deaths from all causes.....	20
Deaths from typhoid fever.....	19
Per cent of deaths among probable typhoid.....	7.08
Per cent of typhoid deaths to deaths from all causes...	95.00















# FIRST NEW HAMPSHIRE VOLUNTEER INFANTRY.

Chart 31, showing the prevalence of typhoid fever in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 149.)

## Camps:

May 8 to May 19, 1898, Camp Ramsdell, N. H.  
May 22 to August 26, 1898, Chickamauga Park, Ga.  
August 28, 1898, proceeded to Camp Ramsdell, N. H.  
October 31, 1898, mustered out at Camp Ramsdell, N. H.

Period of service covered by this report, three months twenty days.

Mean strength..... 1,296

## Morbidity:

Certain and probable typhoid..... 297

## Mortality:

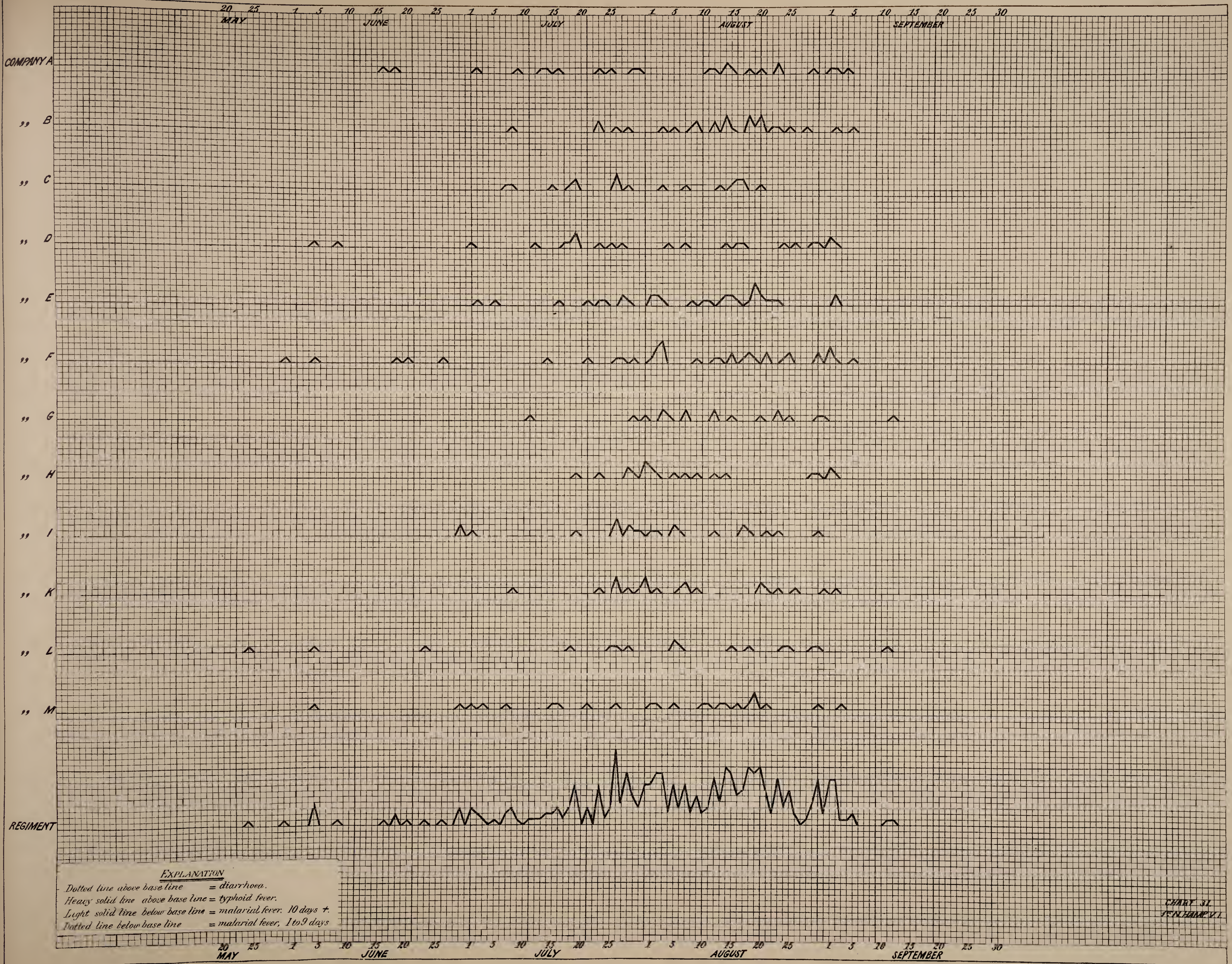
Deaths from all causes..... 32

Deaths from typhoid fever..... 30

Per cent of deaths among probable typhoid..... 10.10

Per cent of typhoid deaths to deaths from all causes... 93.75















# FIRST MISSOURI VOLUNTEER INFANTRY.

Chart 32, showing the prevalence of the more important diseases in this regiment during the period covered by this report. (For text concerning this regiment see vol 1, page 163.)

## Camps:

April, 1898, assembled, Jefferson Barracks, Mo.  
May 13, 1898, mustered into service.  
May 21 to September 4, 1898, Chickamauga, Ga.  
September 10, 1898, furloughed at Jefferson Barracks, Mo.  
October 31, 1898, mustered out.

Period of service covered by this report, five months eleven days.

Mean strength..... 1, 275

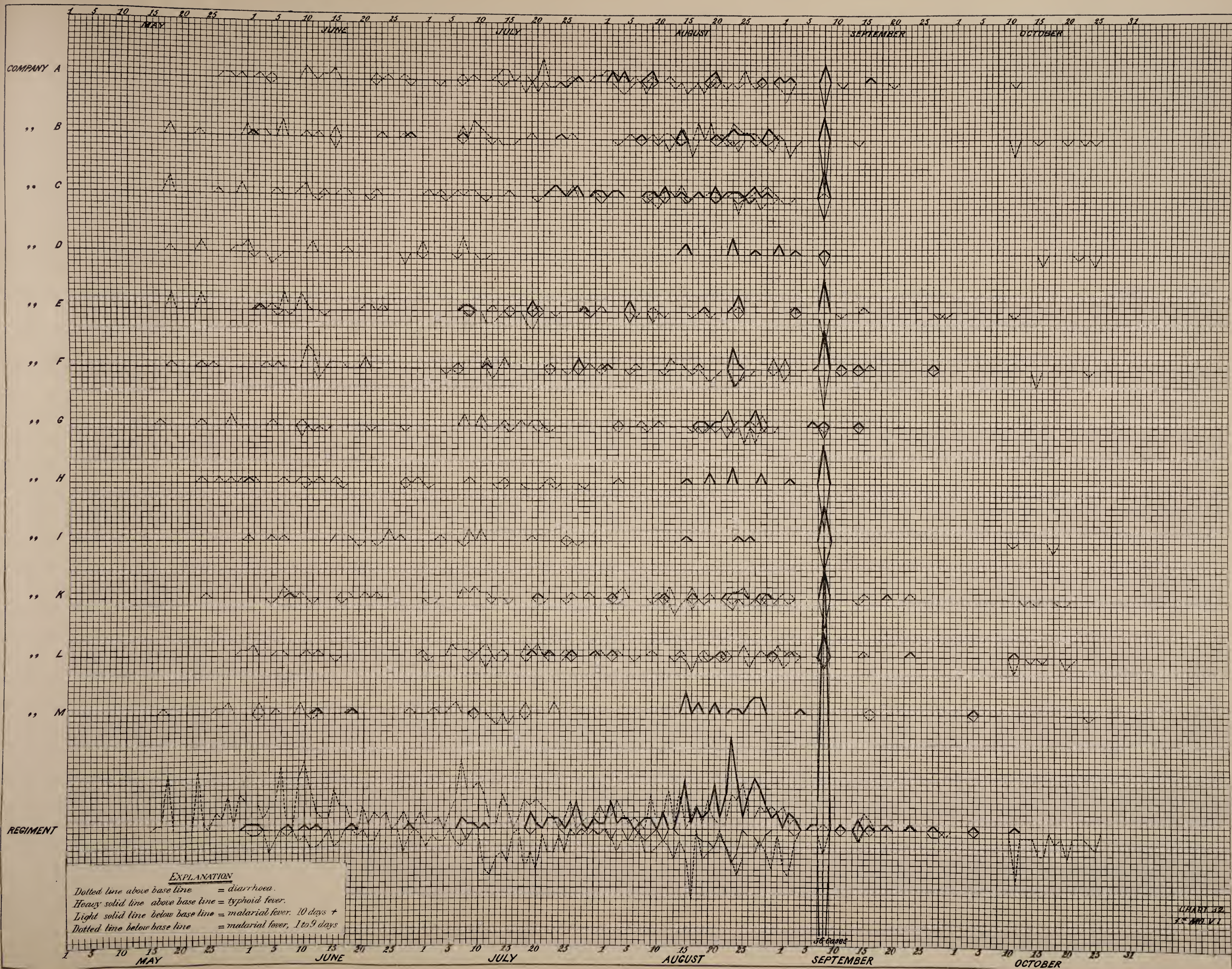
## Morbidity:

Probable typhoid, including recognized .....	216
Recognized typhoid .....	46
Diarrhœal diseases .....	19
Malaria (so called).....	151
	216

## Mortality:

Deaths from all causes.....	14
Deaths from typhoid fever.....	11
Per cent of deaths among probable cases of typhoid ...	5. 09
Per cent of typhoid deaths to deaths from all causes...	78. 57















## FIFTH MARYLAND VOLUNTEER INFANTRY.

Chart 33, showing the prevalence of the more important diseases in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 168.)

Camps:

April — to May 20, 1898, Pimlico, Md.  
May 21 to June 2, Chickamauga Park, Ga.  
June 5 to August 1, 1898, Tampa, Fla.  
August 1 to August 18, 1898, Tampa Heights, Fla.  
August 21 to September 5, 1898, Huntsville, Ala.  
October 22, 1898, mustered out, Baltimore, Md.

Period of service covered by this report, three months twenty days.

Mean strength ..... 985

Morbidity:

Probable and certain typhoid .....	250
Recognized typhoid .....	147
Diarrhœal diseases .....	13
Malaria (so called) .....	90
	<hr/> 250

## Mortality:

Deaths from all causes.....	18
Deaths from typhoid fever.....	17
Per cent of deaths among probable typhoid .....	6.80
Per cent of typhoid deaths to deaths from all causes.....	94.44



COMPANY A.

“ B.

“ C.

“ D.

“ E.

“ F.

“ G.

“ H.

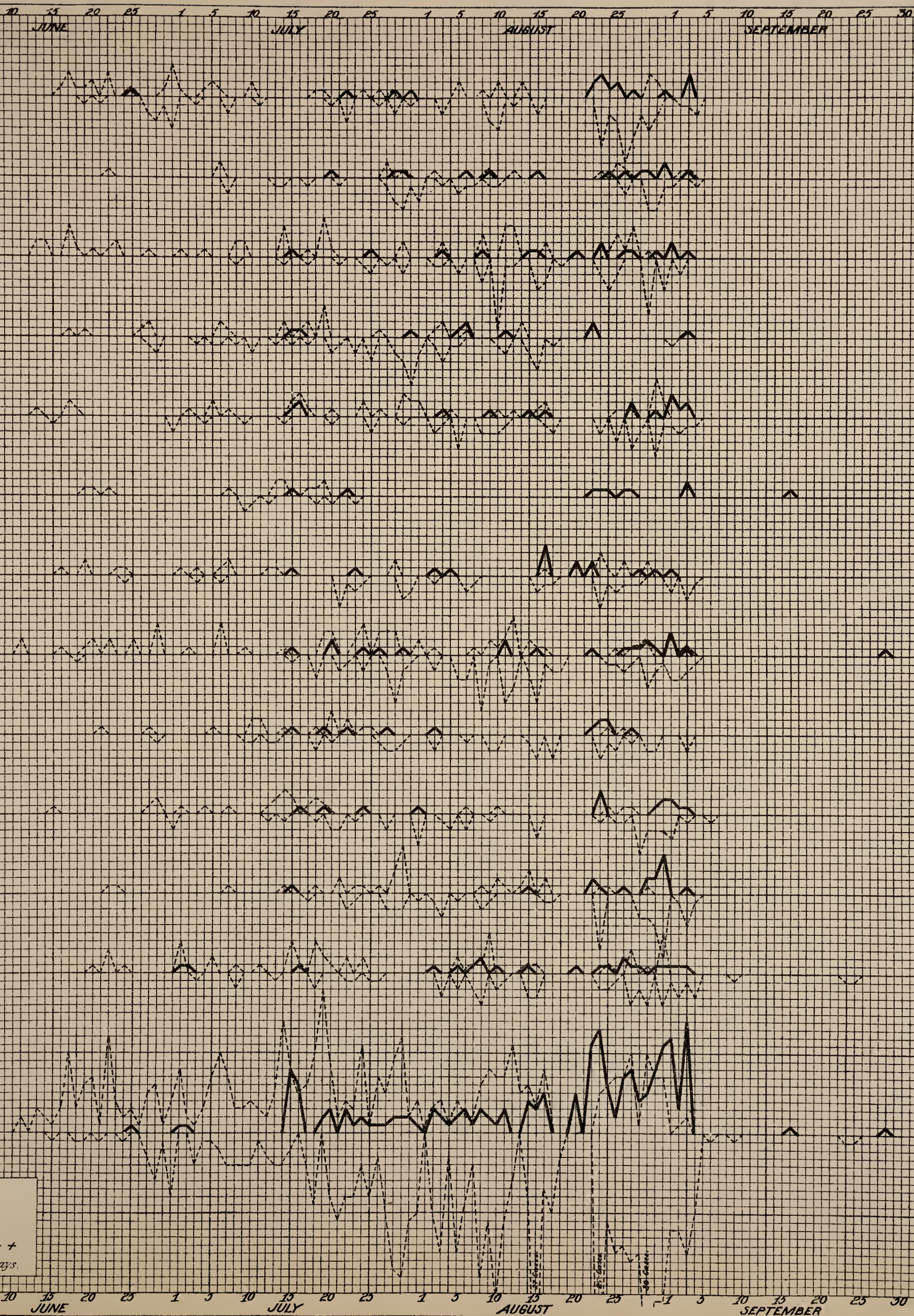
“ I.

“ K.

“ L.

“ M.

REGIMENT



**EXPLANATION**  
 Dotted line above base line = diarrhoea.  
 Heavy solid line above base line = typhoid fever.  
 Light solid line below base line = malarial fever, 10 days +  
 Dotted line below base line = malarial fever, 1 to 9 days.











SECOND NEBRASKA VOLUNTEER INFANTRY.

Chart 34, showing the prevalence of the more important diseases in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 174.)

- Camps:
- April 27 to May 19, 1898, Lincoln, Nebr.
  - May 22 to August 31, 1898, Chickamauga Park, Ga.
  - October 24, 1898, mustered out, Omaha, Nebr.

Period of service covered by this report, three months ten days.	
Mean strength.....	1,303
Morbidity:	
Probable and certain typhoid.....	167
Recognized typhoid .....	56
Diarrhoeal diseases .....	29
Malaria (so called) .....	82
	167
Mortality:	
Deaths from all causes.....	26
Deaths from typhoid fever.....	22
Per cent of deaths among probable typhoid.....	13.16
Per cent of typhoid deaths to deaths from all causes...	84.61



COMPANY A.

" B.

" C.

" D.

" E.

" F.

" G.

" H.

" I.

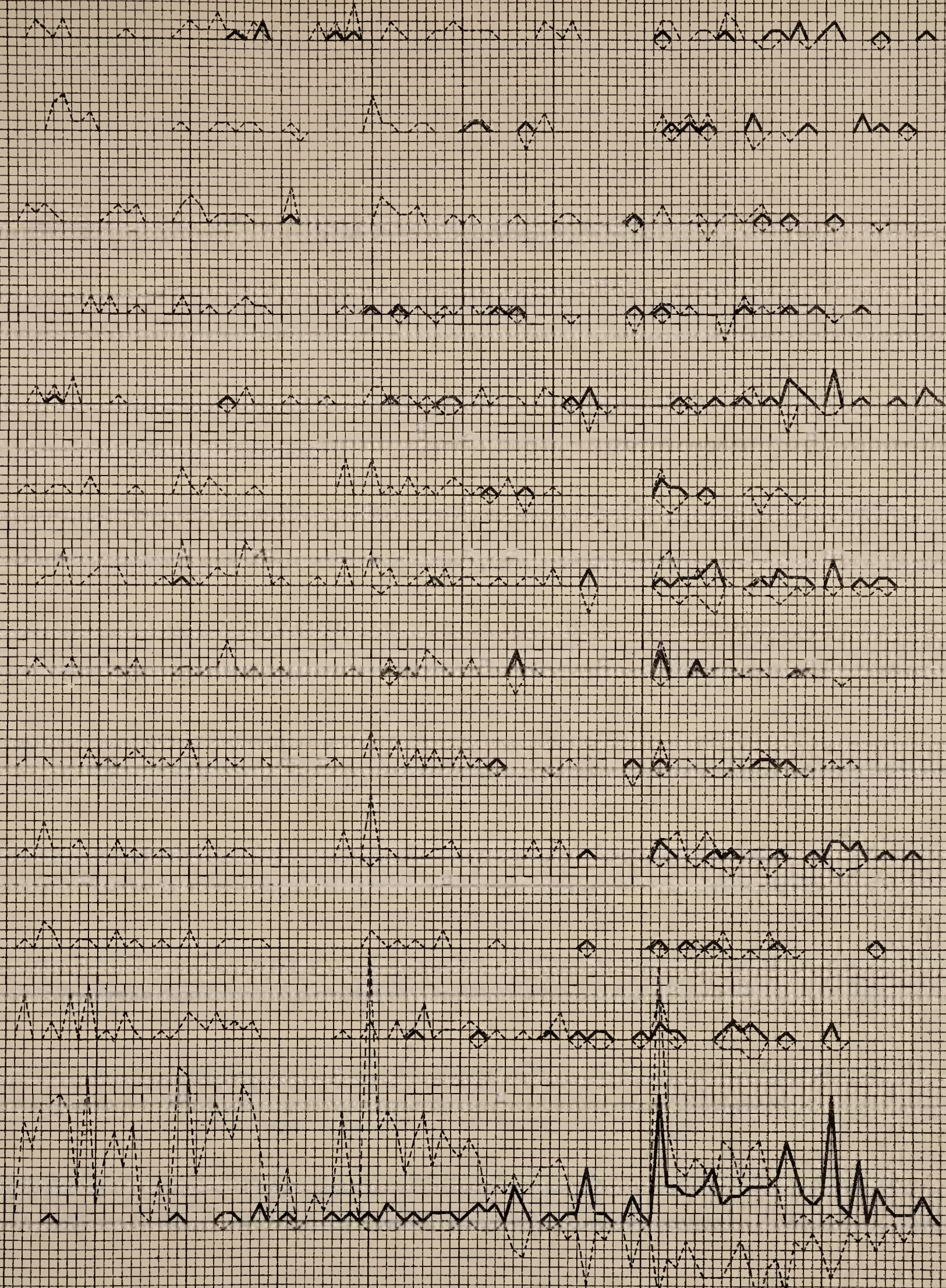
" K.

" L.

" M.

REGIMENT

20 25 1 5 10 15 20 25 1 5 10 15 20 25 1 5 10 15 20 25 30  
MAY JUNE JULY AUGUST



EXPLANATION

Dotted line above base line = diarrhoea.  
Heavy solid line above base line = typhoid fever.  
Light solid line below base line = malarial fever, 10 days +.  
Dotted line below base line = malarial fever, 1 to 9 days.

20 25 1 5 10 15 20 25 1 5 10 15 20 25 1 5 10 15 20 25 30  
MAY JUNE JULY AUGUST

CHART 39  
REVISED











## SECOND NEW YORK VOLUNTEER INFANTRY.

Chart 35, showing the prevalence of typhoid fever in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 178.)

### Camps:

May 8 to May 19, 1898, Peekskill, N. Y.  
 May 21 to June 1, 1898, Chickamauga Park, Ga.  
 June 3 to July 20, 1898, Tampa, Fla.  
 July 20 to August 24, 1898, Fernandina, Fla.  
 August 27 to November 1, 1898, Troy, N. Y.

Period of service covered by this report, three months twenty-nine days.

Mean strength..... 1,014

### Morbidity:

Probable and certain typhoid..... 161

### Mortality:

Deaths from all causes..... 31

Deaths from typhoid fever..... 30

Per cent of deaths among probable typhoid..... 18.63

Per cent of typhoid deaths to deaths from all causes... 96.77



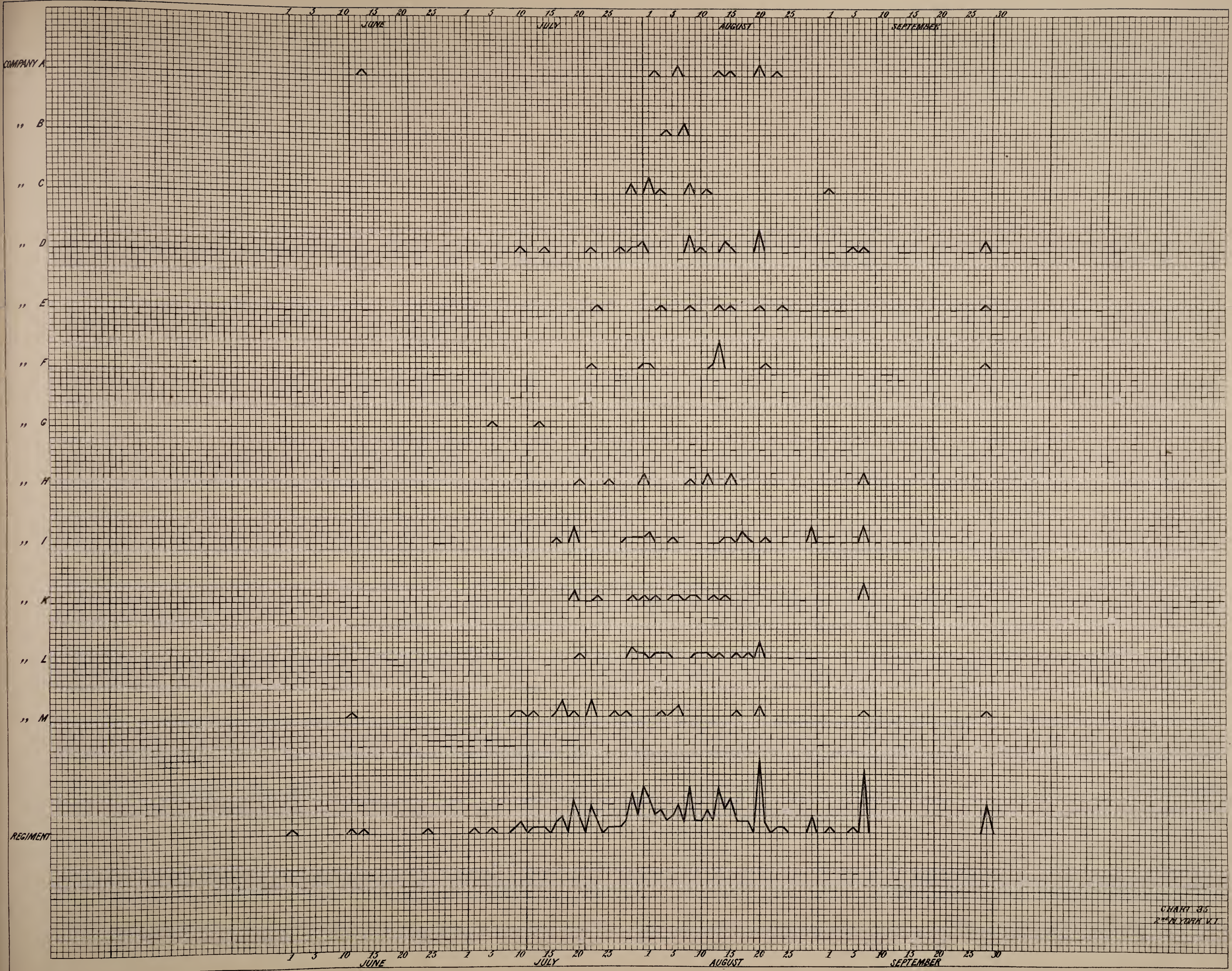


CHART 35  
2nd NYARK VI











THIRD TENNESSEE VOLUNTEER INFANTRY.

Chart 36, showing the prevalence of typhoid fever in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 182.)

Camps:  
May 5 to May 23, 1898, Nashville, Tenn.  
May 24 to September 5, 1898, Chickamauga Park, Ga.  
September 6, 1898, to January 31, 1899, Anniston, Ala.

Period of service covered by this report, four months twenty-three days.  
Mean strength..... 1,293  
Morbidity:  
    Certain and probable typhoid ..... 123  
Mortality:  
    Deaths from all causes..... 19  
    Deaths from typhoid fever..... 12  
    Per cent of deaths among probable typhoid..... 9.75  
    Per cent of typhoid deaths to deaths from all causes... 63.16



COMPANY A.

“ B.

“ C.

“ D.

“ E.

“ F.

“ G.

“ H.

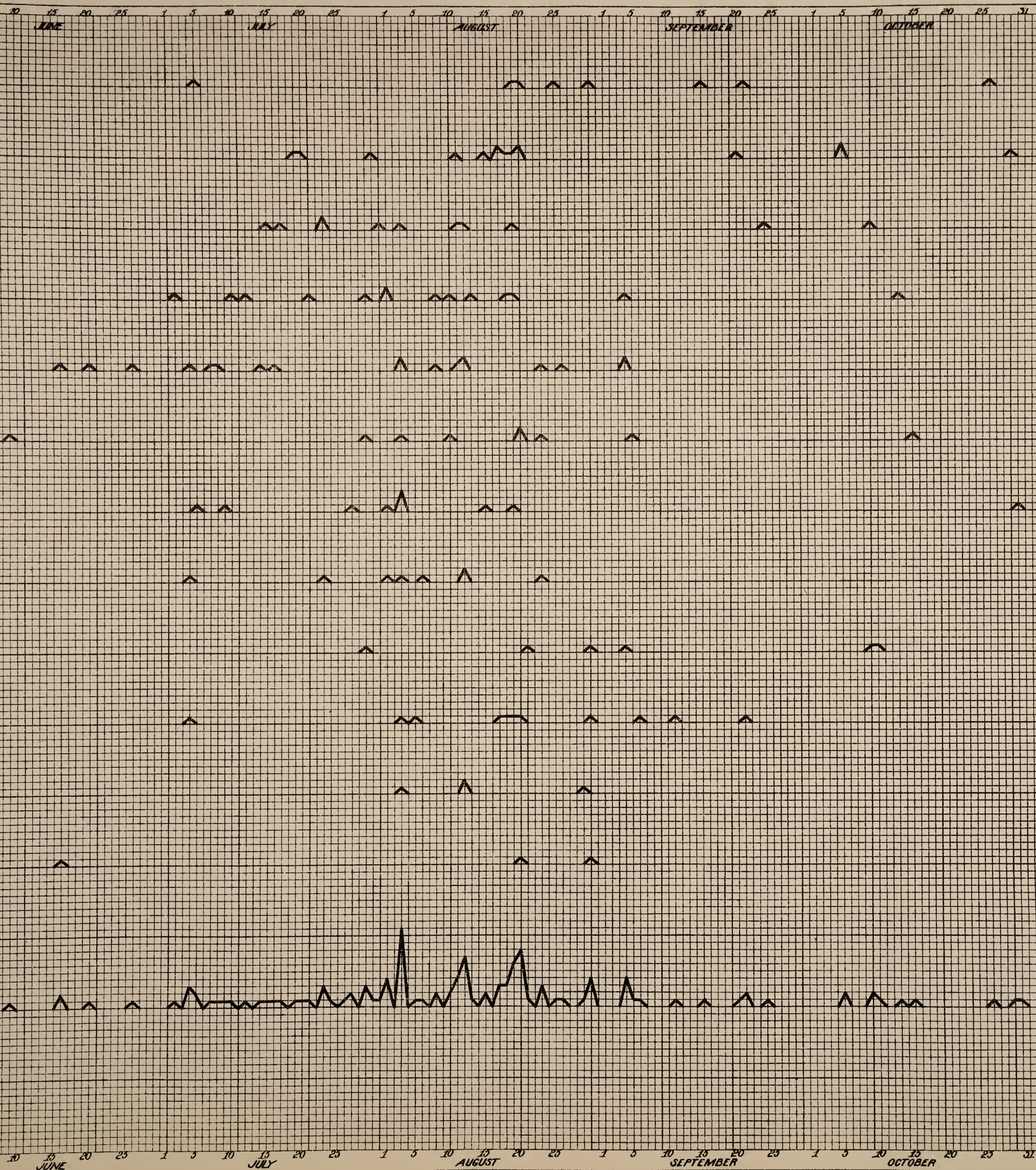
“ I.

“ K.

“ L.

“ M.

REGIMENT.













# FIRST VERMONT VOLUNTEER INFANTRY.

Chart 37, showing the prevalence of typhoid fever in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 186.)

## Camps:

May 3 to May 22, 1898, Burlington, Vt.  
May 24 to August 18, 1898, Chickamauga Park, Ga.  
August 21, 1898, arrived at Fort Ethan Allen, Vt.  
October 2 to November 7, 1898, mustered out.

Period of service covered by this report, four months nineteen days

Mean strength ..... 996

## Morbidity:

Certain and probable typhoid ..... 278

## Mortality:

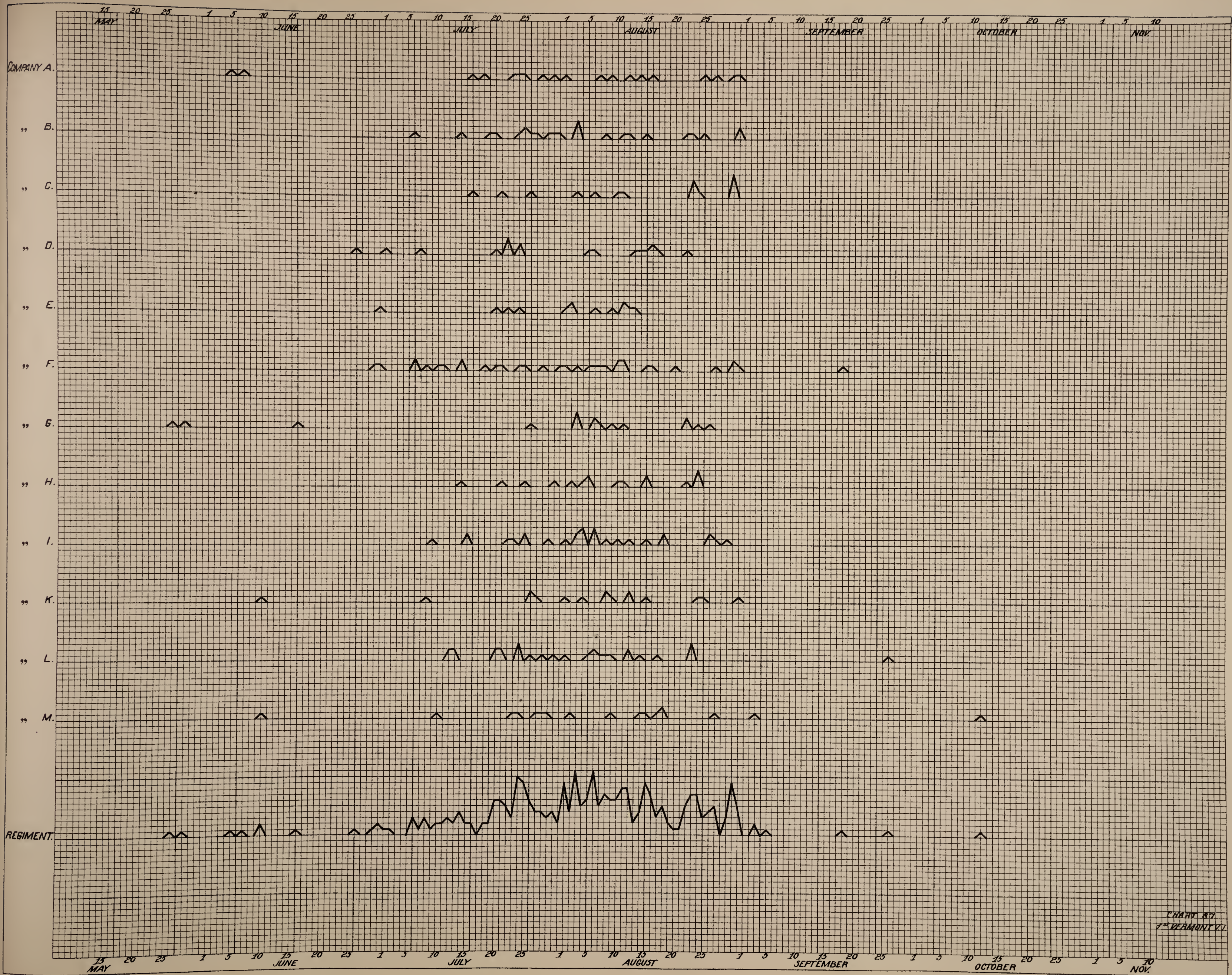
Deaths from all causes ..... 26

Deaths from typhoid fever ..... 22

Per cent of deaths among probable typhoid ..... 7.91

Per cent of typhoid deaths to deaths from all causes ..... 84.61















## SECOND KENTUCKY VOLUNTEER INFANTRY.

Chart 38, showing the prevalence of typhoid fever in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 209.)

### Camps:

May 14 to May 24, 1898, Lexington, Ky.  
May 26 to September 12, 1898, Chickamauga Park, Ga.  
October 31, mustered out at Lexington Ky.

Period of service covered by this report, two months twenty days.

Mean strength..... 1,332

### Morbidity:

Certain and probable typhoid..... 286

### Mortality:

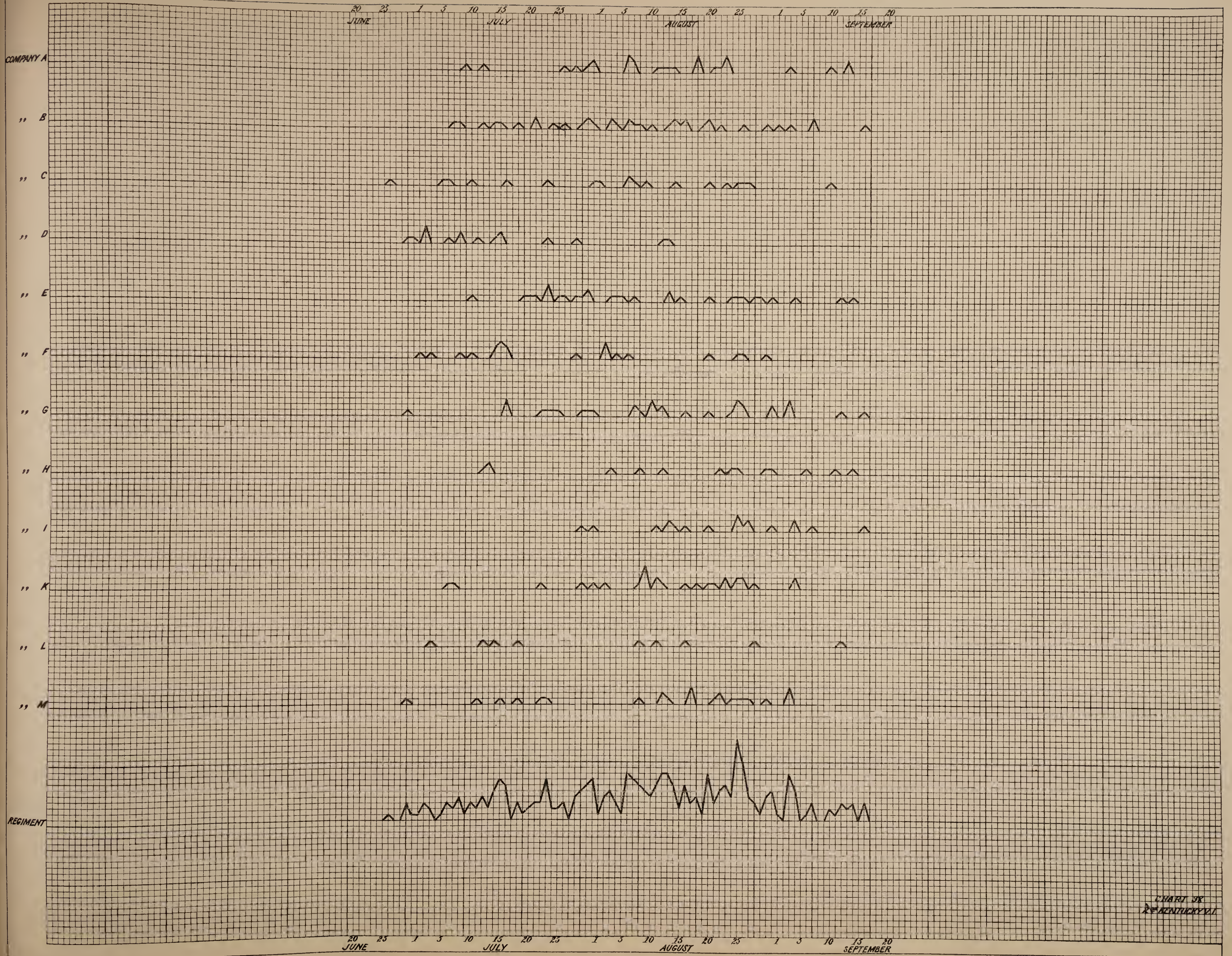
Deaths from all causes..... 30

Deaths from typhoid fever..... 28

Per cent of deaths among probable typhoid..... 9.79

Per cent of typhoid deaths to deaths from all causes... 93.33















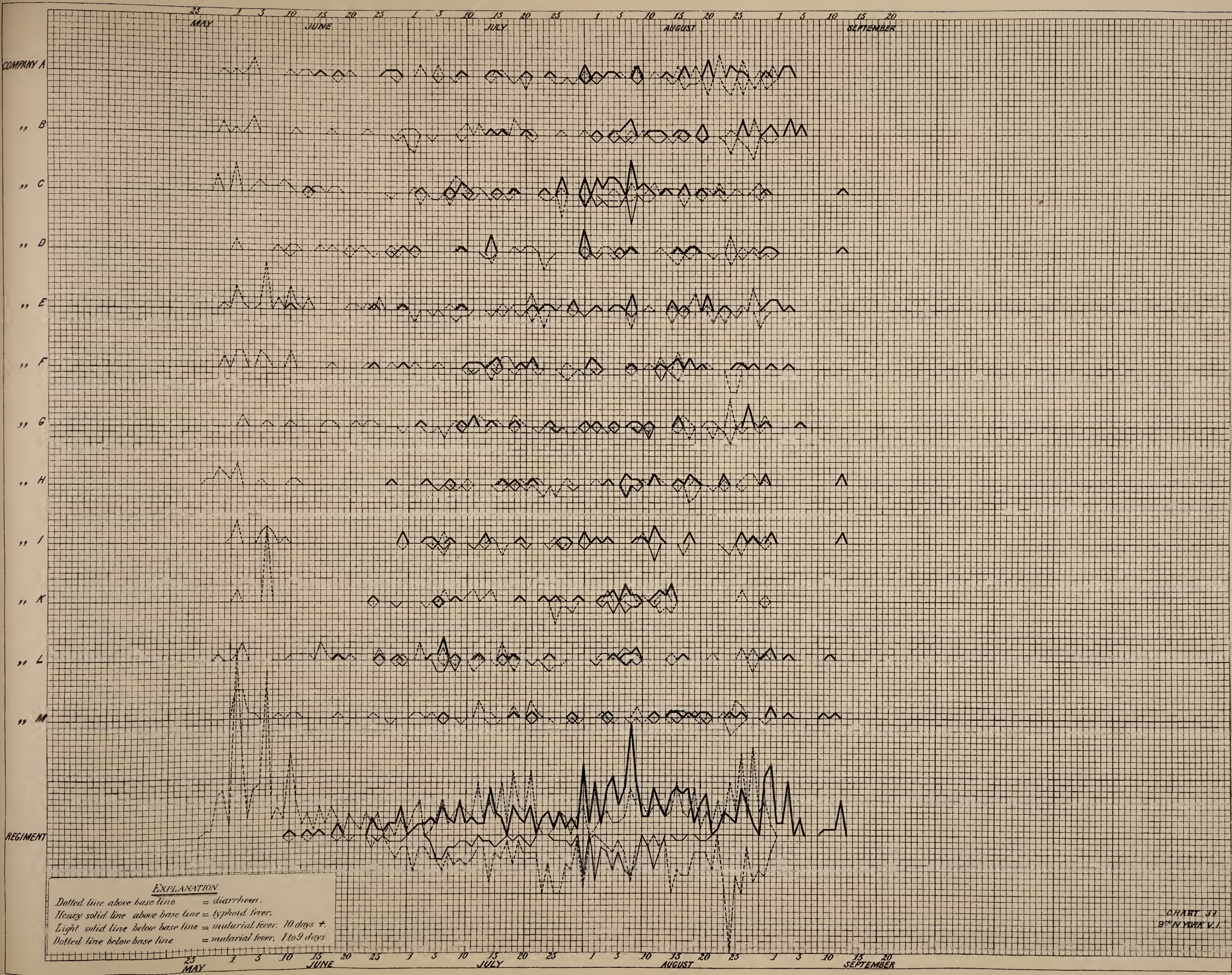
NINTH NEW YORK VOLUNTEER INFANTRY.

Chart 39, showing the prevalence of the more important diseases in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 215.)

Camps:  
May 2 to May 24, 1898, Peekskill, N. Y.  
May 26 to September 14, 1898, Chickamauga Park, Ga.  
November 15, mustered out, New York City.

Period of service covered by this report, three months eighteen days.	
Mean strength.....	1, 292
Morbidity:	
Probable and certain typhoid .....	323
Recognized typhoid .....	139
Diarrhœal diseases .....	99
Malaria (so called) .....	85
	323
Mortality:	
Deaths from all causes.....	46
Deaths from typhoid fever.....	46
Per cent of deaths among probable typhoid.....	14. 24
Per cent of typhoid deaths to deaths from all causes...	100















# FIFTH MISSOURI VOLUNTEER INFANTRY.

Chart 40, showing the prevalence of typhoid fever in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 229.)

## Camps:

May 18 to May 24, 1898, Jefferson Barracks, Mo.  
May 27 to August 27, 1898, Chickamauga Park, Ga.  
August 28 to September 6, 1898, Lexington, Ky.  
September 16, 1898, furloughed, Kansas City, Mo.

Period of service covered by this report, four months twenty-six days.

Mean strength..... 1, 274

## Morbidity:

Certain and probable typhoid..... 212

## Mortality:

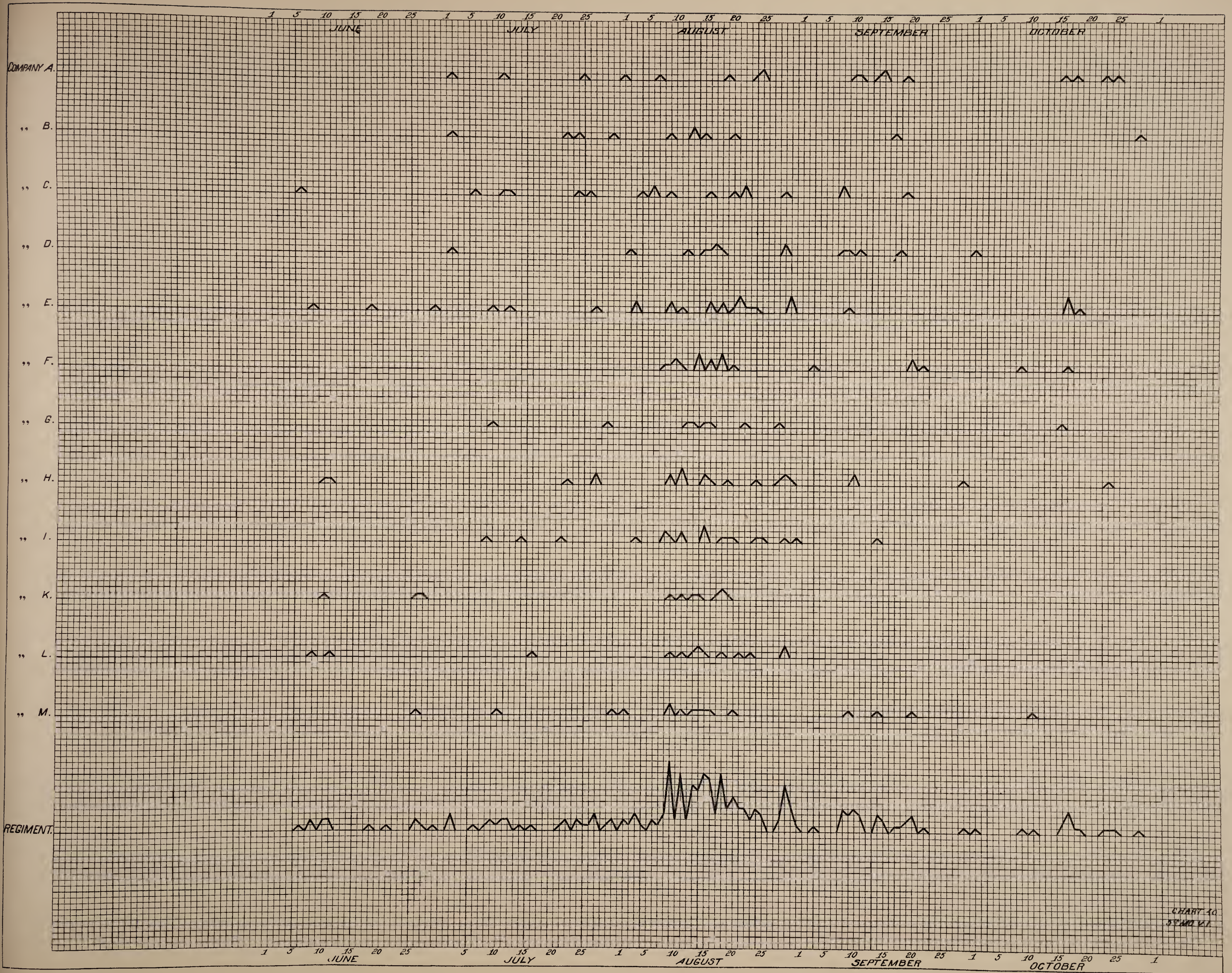
Deaths from all causes..... 16

Deaths from typhoid fever..... 14

Per cent of deaths among probable typhoid..... 6. 60

Per cent of typhoid deaths to deaths from all causes... 87. 50















SECOND ARKANSAS VOLUNTEER INFANTRY.

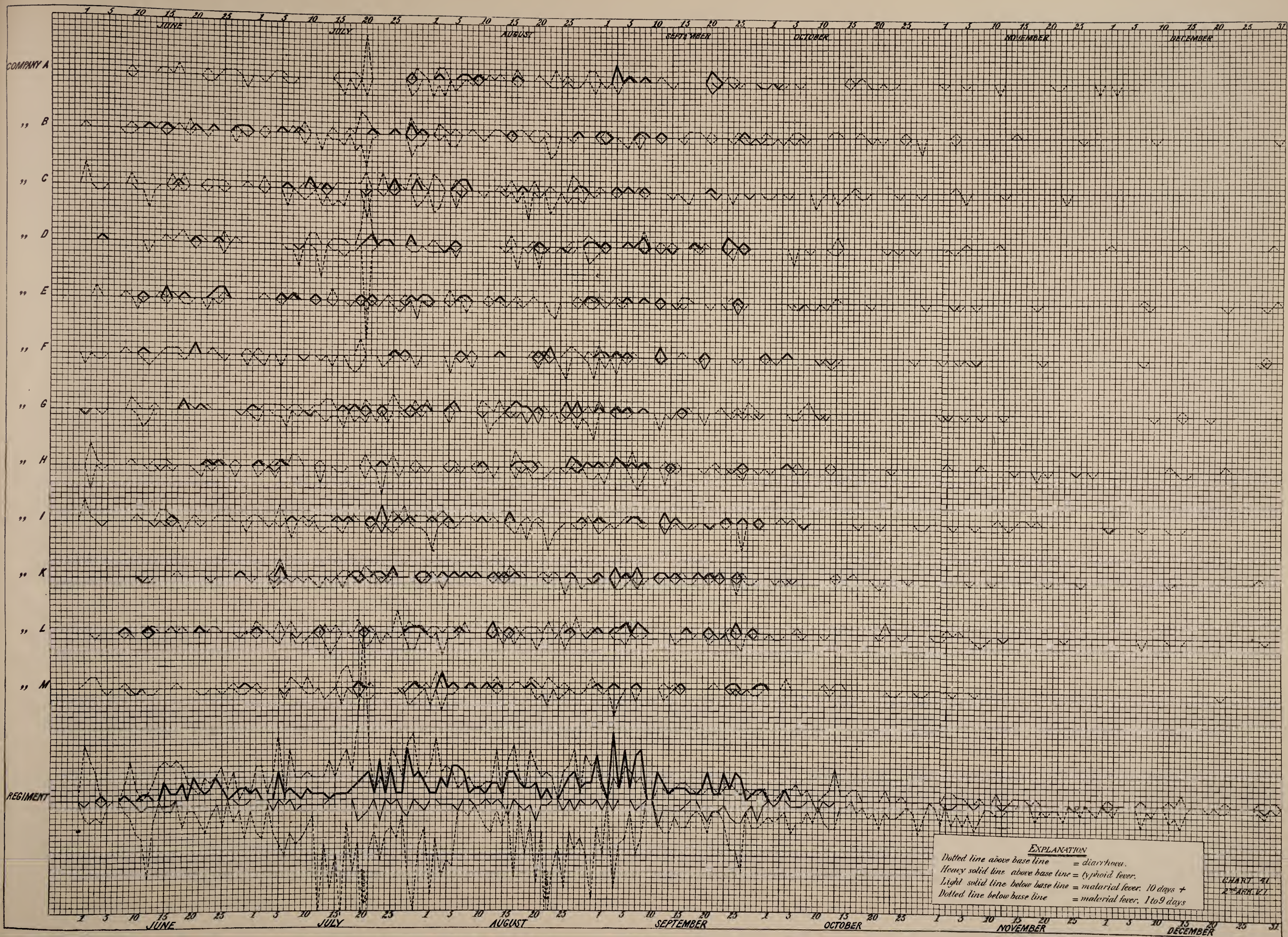
Chart 41, showing the prevalence of the more important diseases in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 233.)

Camps:

- May 14 to May 27, 1898, Little Roek, Ark.
- May 30 to September 9, 1898, Chickamauga Park, Ga.
- September 10, 1898, arrived at Anniston, Ala.
- February 25, 1899, mustered out at Anniston, Ala.

Period of service covered by this report, six months thirty days.	
Mean strength.....	1,291
Morbidity:	
Probable and certain typhoid.....	287
Reeognized typhoid .....	95
Diarrhoeal diseases .....	39
Malaria (so called) .....	153
	287
Mortality:	
Deaths from all eauses.....	26
Deaths from typhoid fever.....	17
Per cent of deaths among probable typhoid.....	5.92
Per cent of typhoid deaths to deaths from all causes...	65.39















SIXTY-NINTH NEW YORK VOLUNTEER INFANTRY.

Chart 42, showing the prevalence of the more important diseases in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 240.)

Camps:

- May 6 to May 25, 1898, Camp Black, Long Island.
- May 27 to June 2, 1898, Chickamauga Park, Ga.
- June 6 to July 24, 1898, Tampa, Fla.
- July 25 to August 27, 1898, Fernandina, Fla.
- August 27 to September 1, 1898, Huntsville, Ala.
- January 31, 1899, mustered out, New York City, N. Y.

Period of service covered by this report, six months twenty-four days.

Mean strength..... 1,026

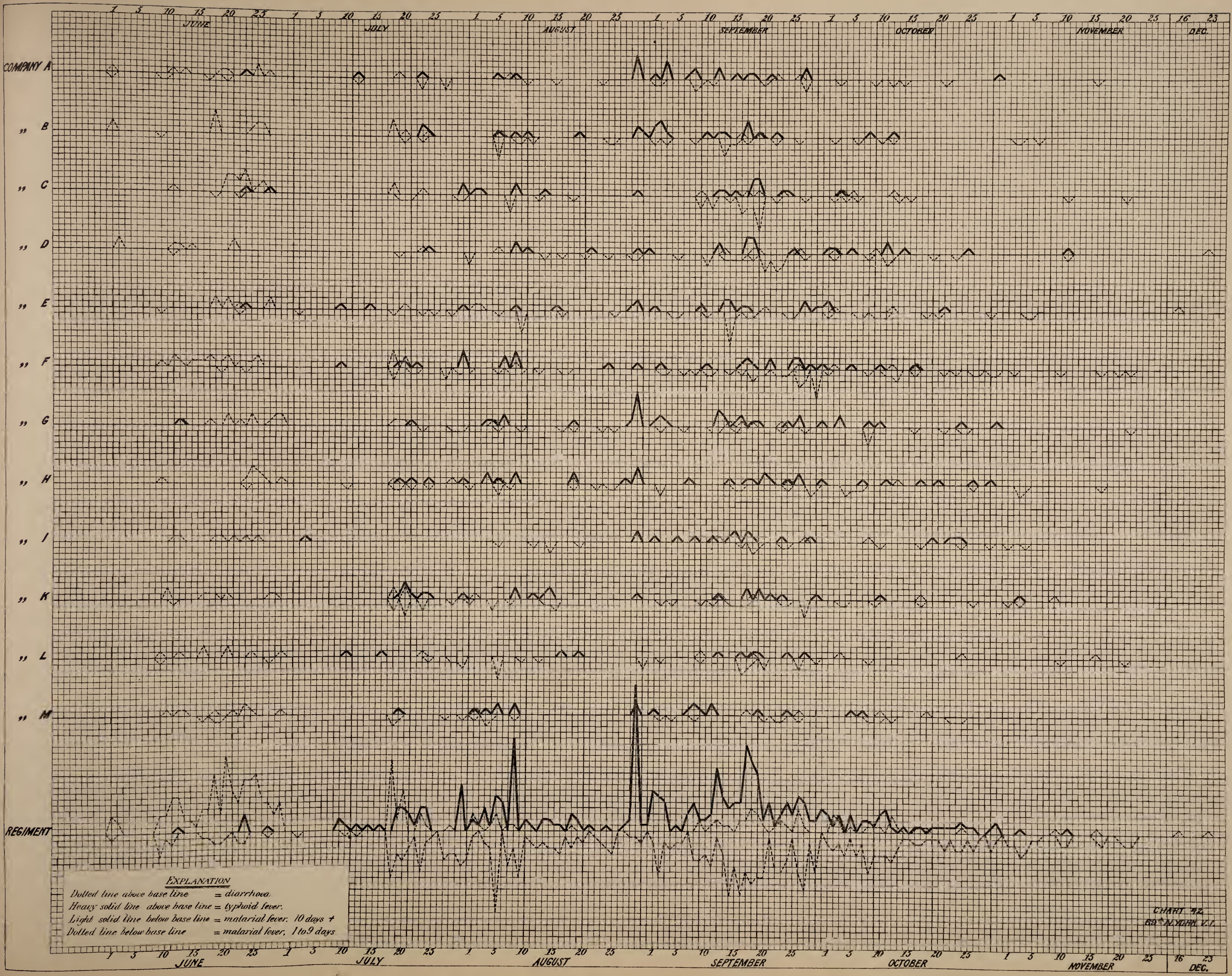
Morbidity:

Probable typhoid, including recognized.....	299
Recognized typhoid .....	191
Diarrhoeal diseases .....	9
Malaria (so called).....	99
	299

Mortality:

Deaths from all causes.....	25
Deaths from typhoid fever.....	23
Per cent of deaths among probable typhoid.....	7.69
Per cent of typhoid deaths to deaths from all causes...	92.00















# FIFTY-SECOND IOWA VOLUNTEER INFANTRY.

Chart 43, showing the prevalence of the more important diseases in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 250.)

## Camps:

April 26 to May 29, 1898, Des Moines, Iowa.  
 May 31 to August 28, 1898, Chickamauga Park, Ga.  
 August 28, 1898, left Chickamauga Park for Des Moines, Iowa.  
 October 30, 1898, mustered out.

Period of service covered by this report, three months twenty-four days.

Mean strength ..... 1,304

## Morbidity:

Probable typhoid, including recognized .....	345
Recognized typhoid .....	184
Diarrhoeal diseases .....	49
Malaria (so called) .....	112
	<hr/> 345

## Mortality:

Deaths from all causes .....	37
Deaths from typhoid fever .....	36
Per cent of deaths among probable typhoid .....	10. 43
Per cent of typhoid deaths to deaths from all causes...	97. 29



COMPANY A.

" B.

" C.

" D.

" E.

" F.

" G.

" H.

" I.

" K.

" L.

" M.

REGIMENT.

EXPLANATION

Dotted line above base line = diarrhoea.  
Heavy solid line above base line = typhoid fever.  
Light solid line below base line = malarial fever. 10 days +  
Dotted line below base line = malarial fever. 1 to 9 days.

CHART 43  
52<sup>ND</sup> INFANTRY V.I.











# FIRST MISSISSIPPI VOLUNTEER INFANTRY.

Chart 44, showing the prevalence of typhoid fever in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 257.)

## Camps:

May 26 to May 30, 1898, Jackson, Miss.

May 31 to September 8, 1898, Chickamauga Park; went from Chickamauga Park to Lauderdale, Miss., and here furloughed.

December 20, 1898, mustered out, Columbia, Miss.

Period of service covered by this report, five months one day.

Mean strength..... 1,029

## Morbidity:

Certain and probable typhoid ..... 397

## Mortality:

Deaths from all causes..... 33

Deaths from typhoid fever..... 29

Per cent of deaths among probable typhoid..... 7.30

Per cent of typhoid deaths to deaths from all causes... 87.88



COMPANY A.

" B.

" C.

" D.

" E.

" F.

" G.

" H.

" I.

" K.

" L.

" M.

REGIMENT.

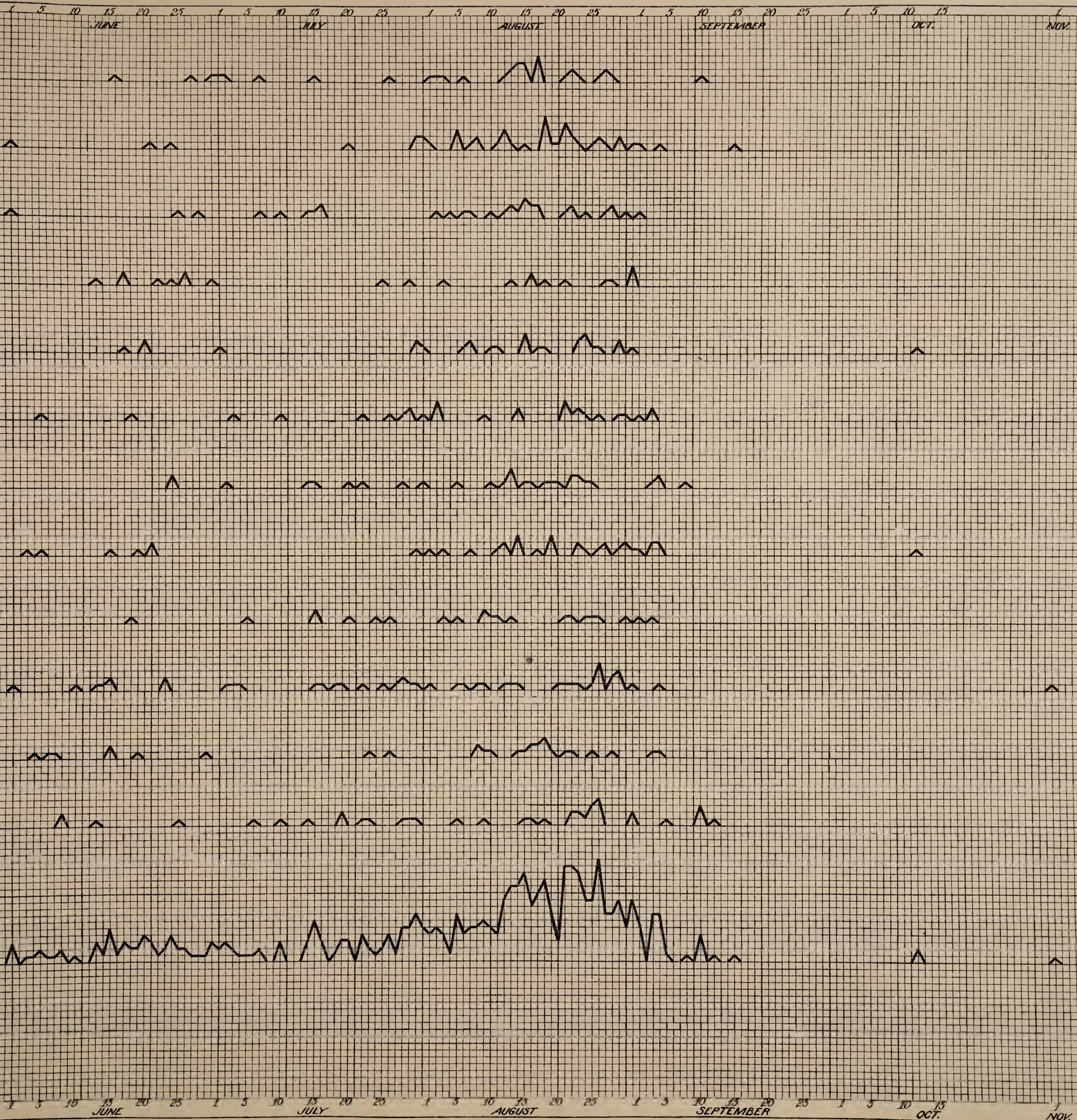


CHART 33  
7E MISS. KY.











### THIRD UNITED STATES VOLUNTEER CAVALRY.

Chart 45, showing the prevalence of typhoid fever in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 269.)

#### Camps:

May 10-20, mustered into service.

May 23 to September 10, 1898, Chickamauga Park, Ga.

Period of service covered by this report, two months twenty-seven days.

Mean strength..... 1,013

#### Morbidity:

Certain and probable typhoid..... 270

#### Mortality:

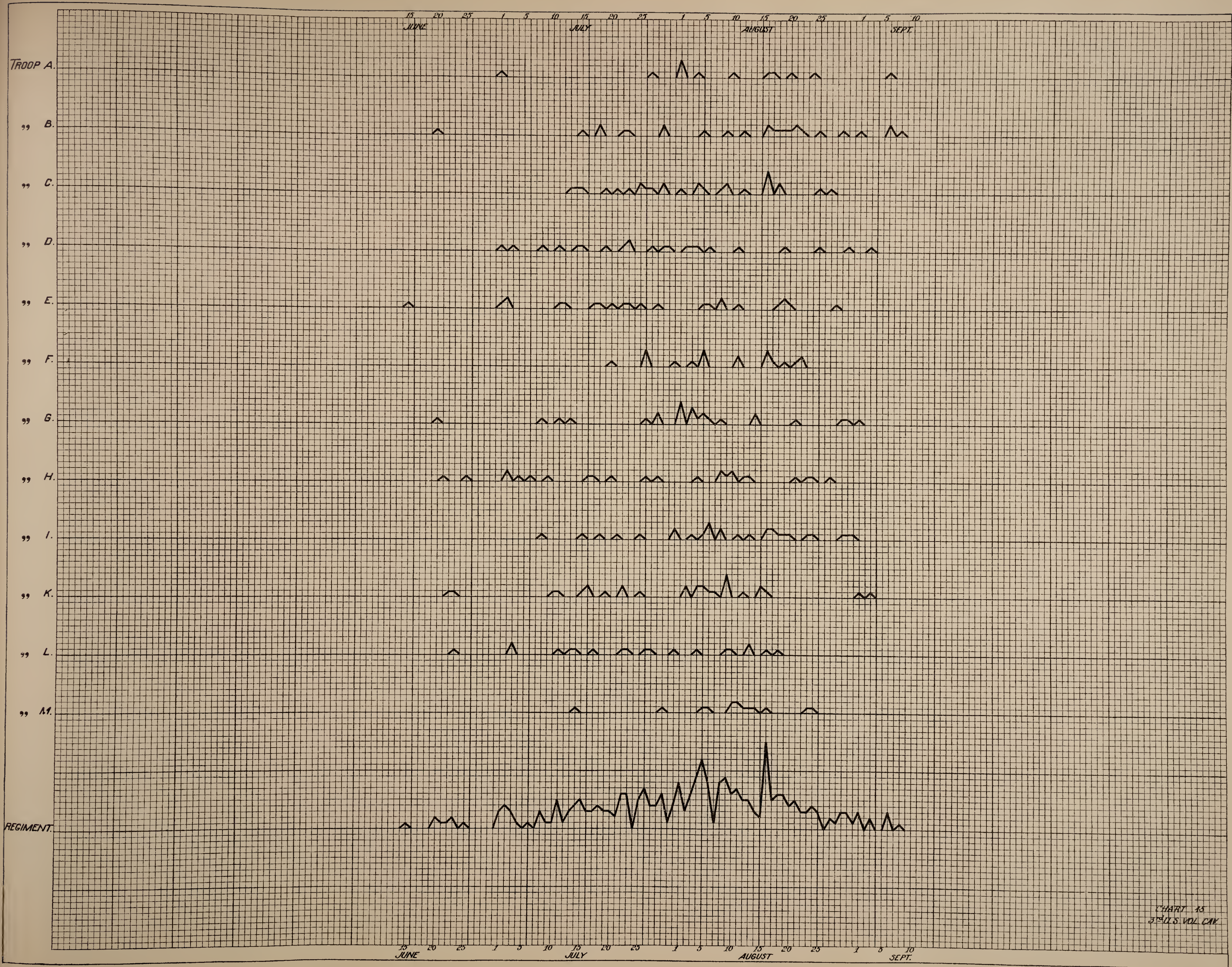
Deaths from all causes..... 15

Deaths from typhoid fever..... 13

Per cent of deaths among probable typhoid..... 4.81

Per cent of typhoid deaths to deaths from all causes... 86.66















# SIXTY-FIFTH NEW YORK VOLUNTEER INFANTRY.

Chart 46, showing the prevalence of the more important diseases in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 312.)

## Camps:

May 2 to May 18, 1898, Camp Black, L. I.  
 May 20 to September 1, 1898, Camp Alger, Va.  
 September 5, 1898, arrived at Buffalo; furloughed thirty days.  
 November 19, 1898, mustered out.

Period of service covered by this report, four months four days.

Mean strength..... 1,221

## Morbidity:

Probable typhoid, including recognized..... 219

Diarrhoeal diseases ..... 94

Malaria (so called)..... 153

## Mortality:

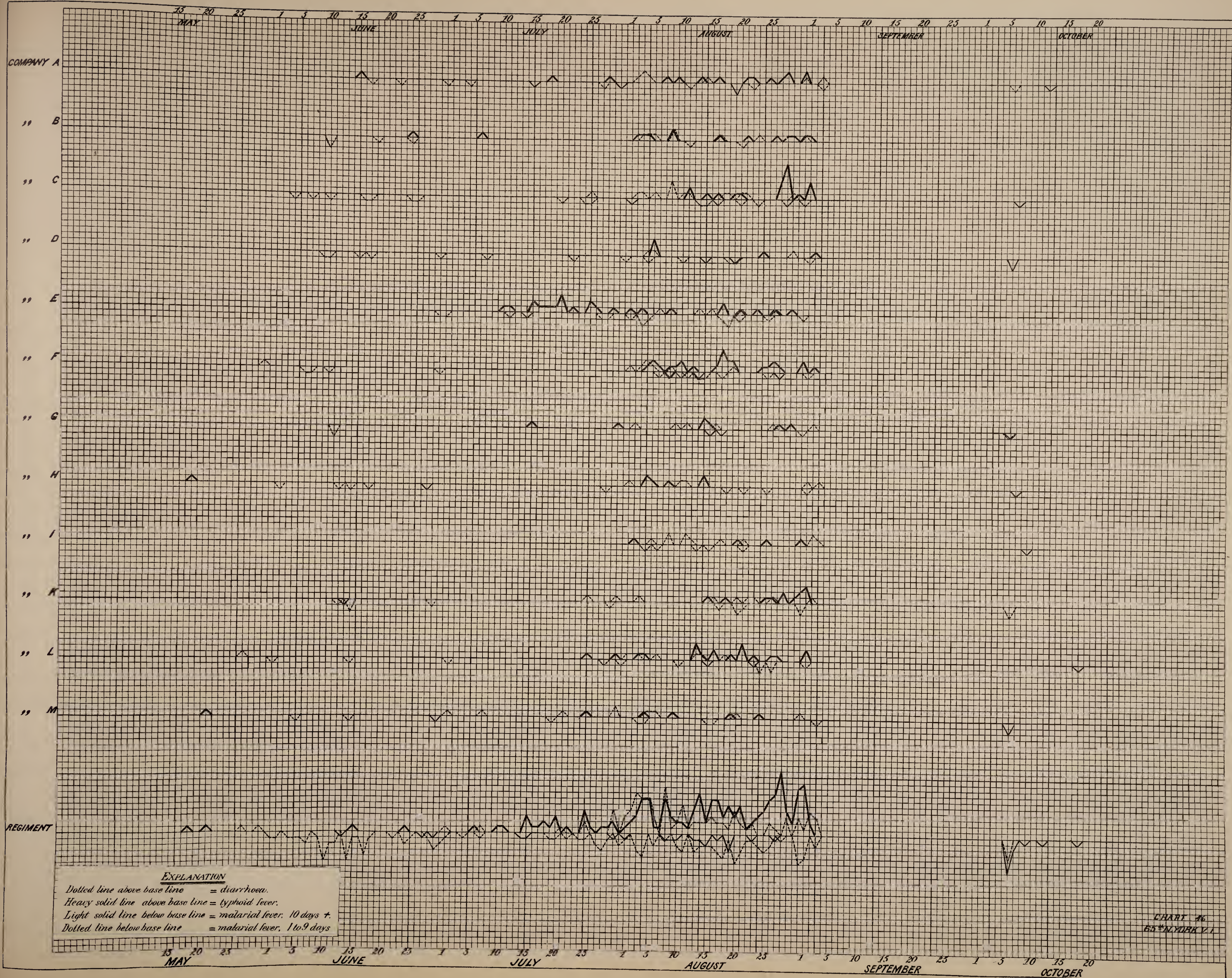
Deaths from all causes..... 18

Deaths from typhoid fever..... 14

Per cent of deaths among probable typhoid..... 6.39

Per cent of typhoid deaths to deaths from all causes... 77.77















# SEVENTH OHIO VOLUNTEER INFANTRY.

Chart 47, showing the prevalence of the more important diseases in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 315.)

## Camps:

May 14 to May 20, 1898, Columbus, Ohio.  
 May 21 to September 1, 1898, Camp Alger, Va.  
 September 1, left for Columbus, Ohio.  
 September 27, 1898, furloughed for thirty days.

Period of service covered by this report, five months twenty-two days.

Mean strength ..... 1,169

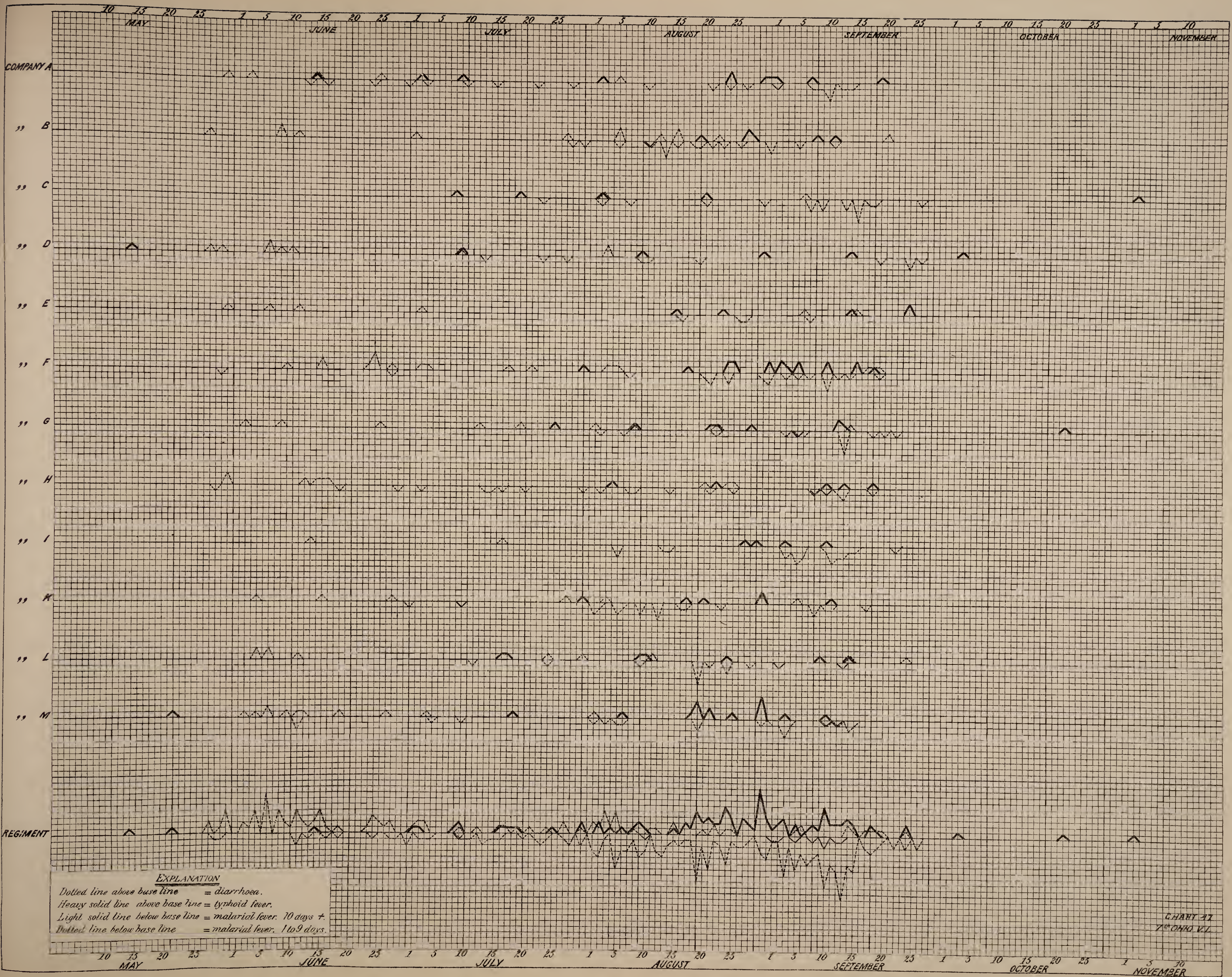
## Morbidity:

Probable typhoid, including recognized ..... 125  
 Diarrhoeal diseases ..... 96  
 Malaria ..... 210

## Mortality:

Deaths from all causes ..... 5  
 Deaths from typhoid fever ..... 4  
 Per cent of deaths among probable typhoid ..... 3.20  
 Per cent of typhoid deaths to deaths from all causes ... 80.00















FIRST NEW JERSEY VOLUNTEER INFANTRY.

Chart 48, showing the prevalence of the more important diseases in this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 318.)

Camps:

- May 7 to May 20, 1898, Seagirt, N. J.
- May 21 to September 2, 1898, Camp Alger, Va.
- September 2, 1898, left for Seagirt, N. J.
- November 4, 1898, mustered out.

Period of service covered by this report, four months twenty days.

Mean strength..... 1,275

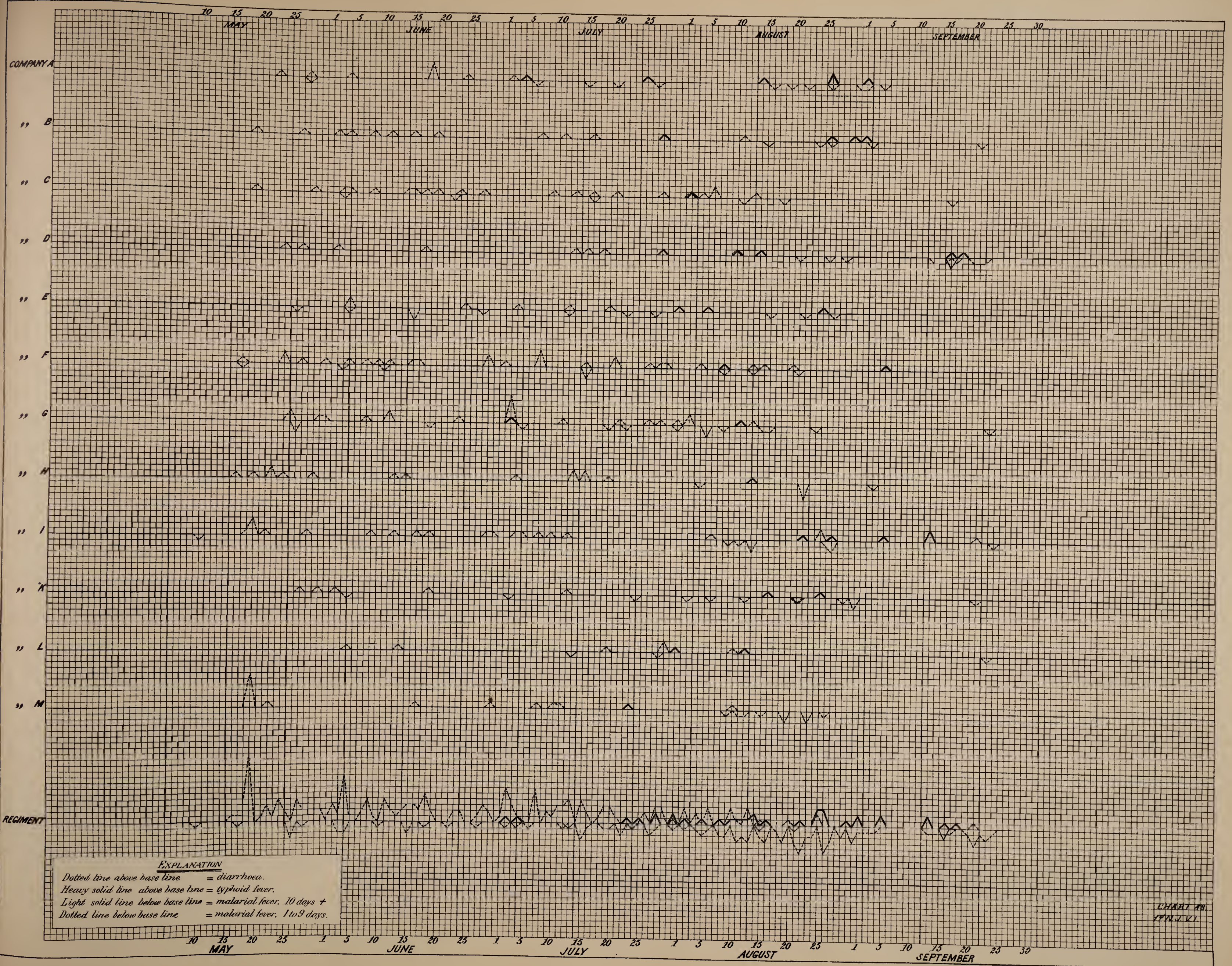
Morbidity:

- Probable typhoid, including recognized..... 58
- Diarrhoeal diseases..... 151
- Malaria (so called)..... 106

Mortality:

- Deaths from all causes..... 10
- Deaths from typhoid fever..... 8
- Per cent of deaths among probable cases of typhoid... 13.79
- Per cent of typhoid deaths to deaths from all causes... 80.00





**EXPLANATION**  
Dotted line above base line = diarrhoea.  
Heavy solid line above base line = typhoid fever.  
Light solid line below base line = malarial fever, 10 days +  
Dotted line below base line = malarial fever, 1 to 9 days.











SIXTH ILLINOIS VOLUNTEER INFANTRY.

Chart 49, showing the prevalence of the more important diseases in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 320.)

Camps:

- May, early part, to May 19, 1898, Springfield, Ill.
- May 21 to July 5, 1898, Camp Alger, Va.
- July 5, 1898, left for Porto Rico.
- November 25, 1898, mustered out, Springfield, Ill.

Period of service covered by this report, five months five days.

Mean strength..... 1, 213

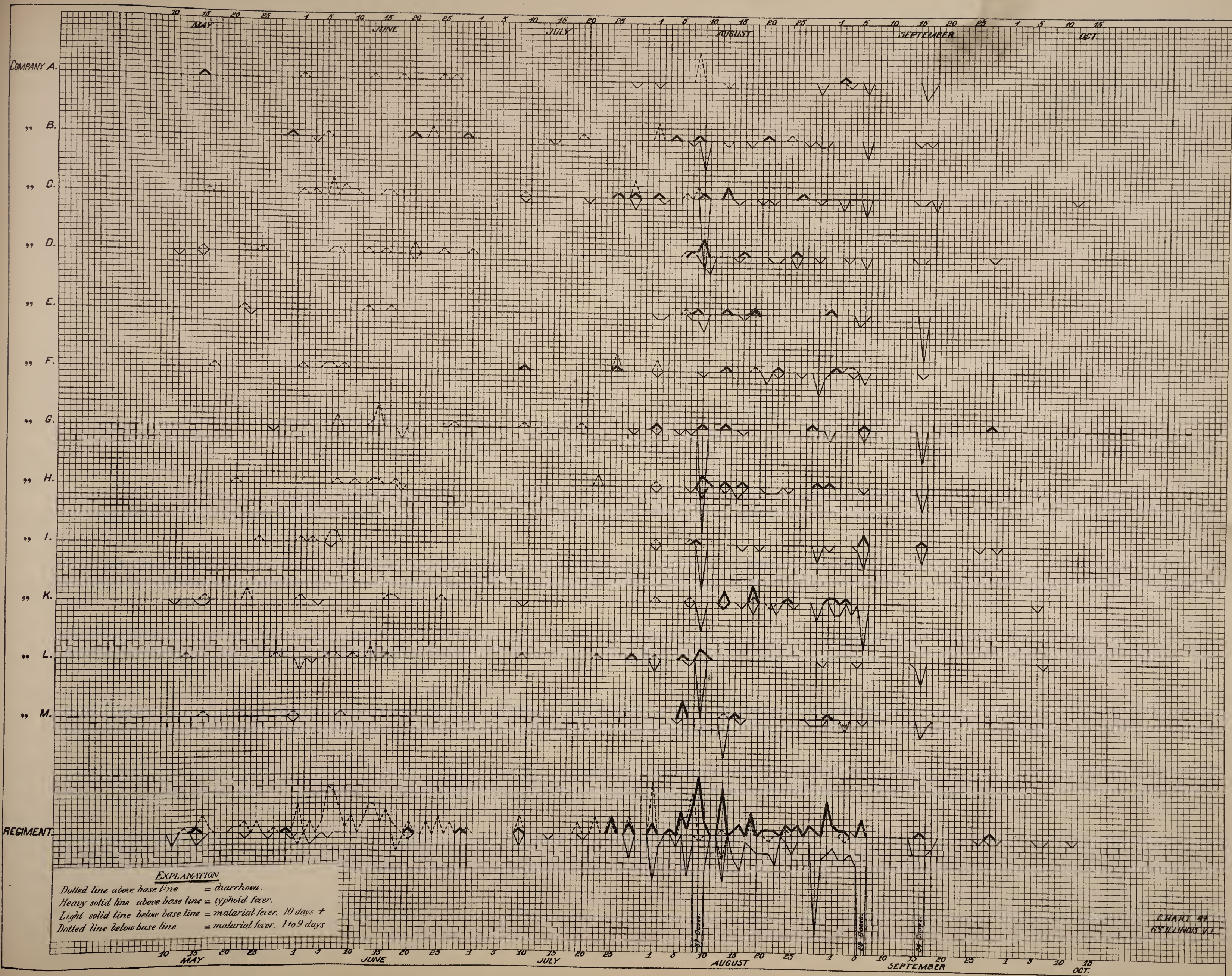
Morbidity:

- Probable typhoid, including recognized ..... 75
- Diarrhoeal diseases ..... 108
- Malaria (so called)..... 289

Mortality:

- Deaths from all causes ..... 12
- Deaths from typhoid fever ..... 8
- Per cent of deaths among probable typhoid..... 10. 66
- Per cent of typhoid deaths to deaths from all causes... 66. 66





**EXPLANATION**

Dotted line above base line = diarrhoea.  
Heavy solid line above base line = typhoid fever.  
Light solid line below base line = malarial fever, 10 days +.  
Dotted line below base line = malarial fever, 1 to 9 days.











SIXTH MASSACHUSETTS VOLUNTEER INFANTRY.

Chart 50, showing the prevalence of the more important diseases in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 321.)

Camps:

- May 13 to May 20, 1898, South Framingham, Mass.
- May 22 to July 5, at Camp Alger, Va.
- July 5, 1898, left for Porto Rico.
- July 25, 1898, arrived Guanica, Porto Rico.
- October 22, 1898, left San Juan, Porto Rico.
- October 27, 1898, arrived in Boston.
- November 3, 1898, furloughed for sixty days.
- January 21, 1899, mustered out.

Period of service covered by this report, four months twenty-two days.

Mean strength..... 1, 201

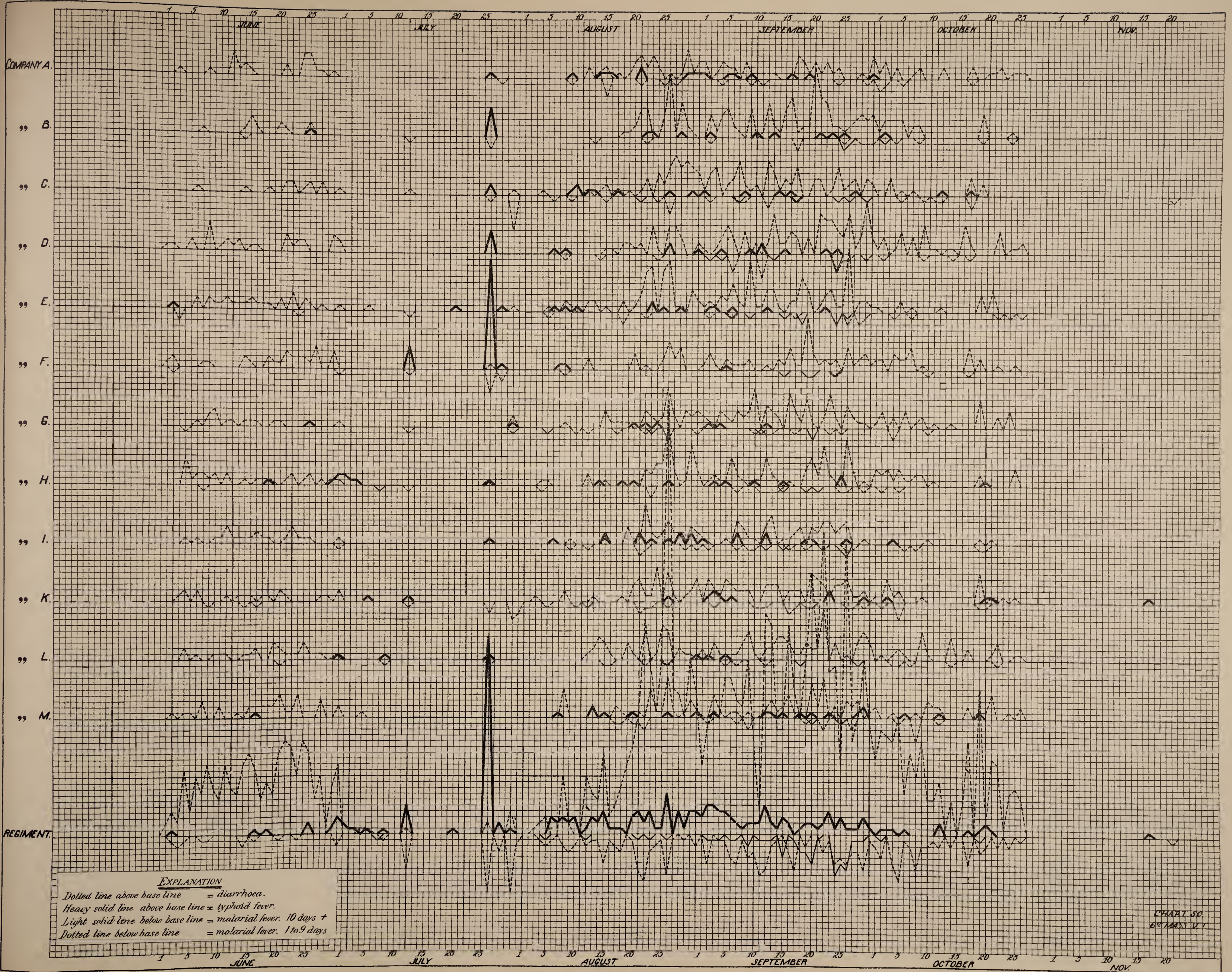
Morbidity:

- Probable typhoid, including recognized ..... 196
- Diarrhœal diseases ..... 772
- Malaria (so called) ..... 294

Mortality:

- Deaths from all causes ..... 18
- Deaths from typhoid fever ..... 18
- Per cent of deaths among probable typhoid ..... 9. 17
- Per cent of typhoid deaths to deaths from all causes... 100. 00















# EIGHTH PENNSYLVANIA VOLUNTEER INFANTRY.

Chart 51, showing the prevalence of the more important diseases in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 324.)

## Camps:

Early in May to May 16, 1898, Mount Gretna, Pa.  
May 18 to August 30, 1898, Camp Alger, Va.  
August 31 to November 13, 1898, Camp Meade, Pa.  
November 13, 1898, transferred to Camp Mackenzie, Ga.

Period of service covered by this report, six months.

Mean strength..... 1, 044

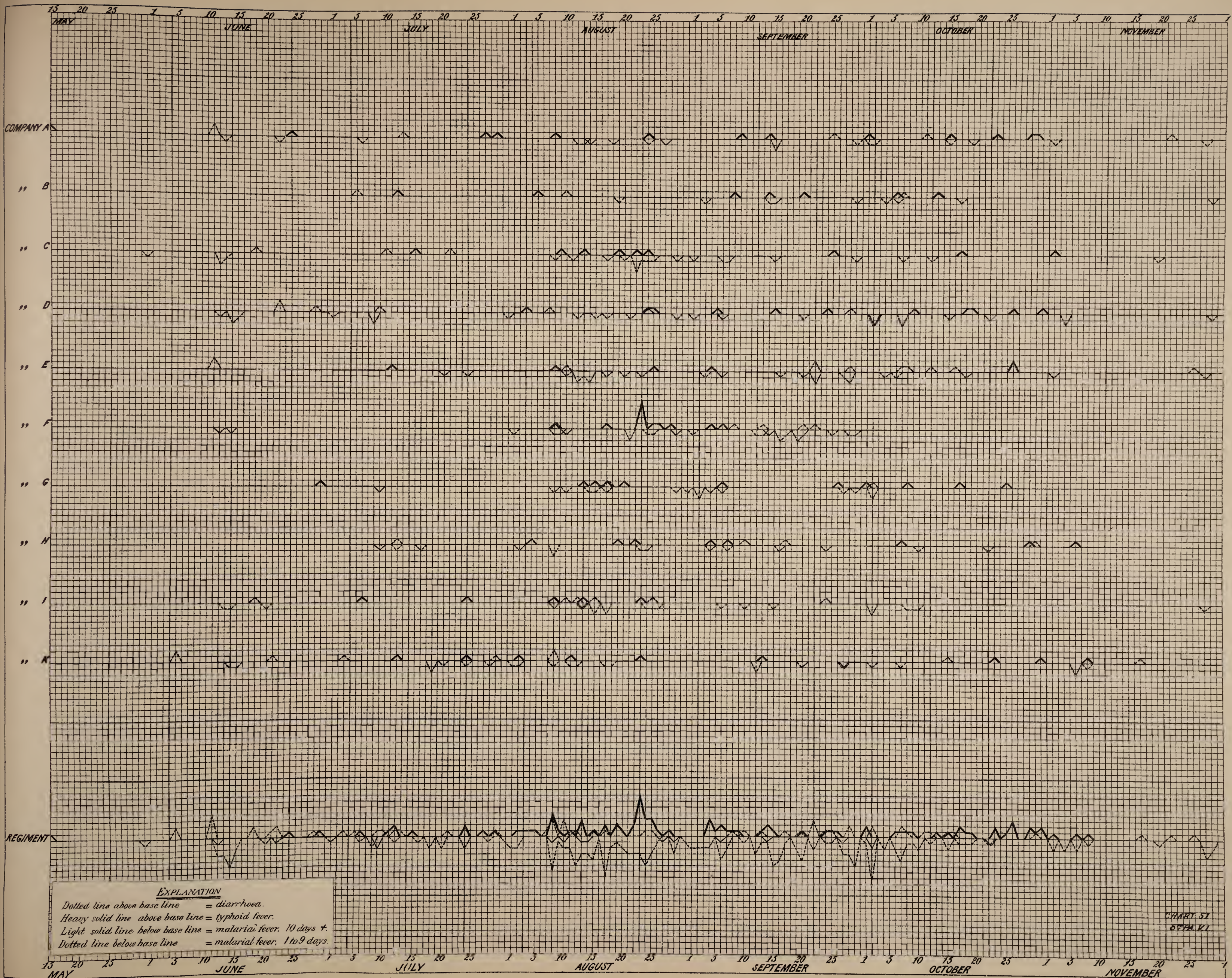
## Morbidity:

Probable and certain typhoid..... 101  
Diarrhoeal diseases ..... 57  
Malaria ..... 201

## Mortality:

Deaths from all causes..... 9  
Deaths from typhoid fever..... 8  
Per cent of deaths among probable typhoid..... 7. 92  
Per cent of typhoid deaths to deaths from all causes... 88. 88















TWELFTH PENNSYLVANIA VOLUNTEER INFANTRY.

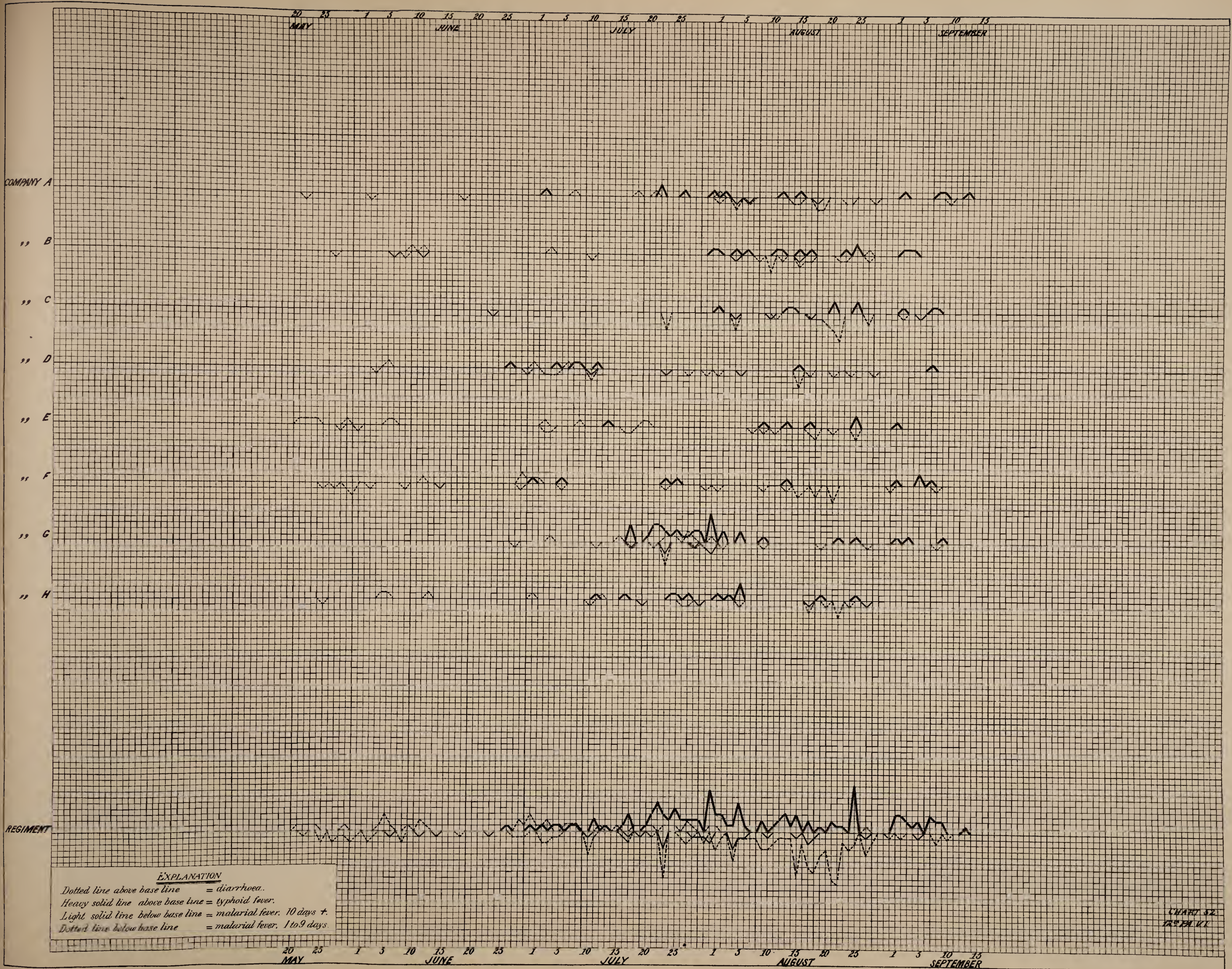
Chart 52, showing the prevalence of the more important diseases in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 327.)

Camps:

- May 10 to May 17, 1898, Mount Gretna, Pa.
- May 19 to August 29, 1898, Camp Alger, Va.
- August 29, 1898, left for Camp Meade.

Period of service covered by this report, three months twenty-five days.	
Mean strength.....	823
Morbidity:	
Probable and certain typhoid.....	123
Diarrhœal diseases.....	41
Malarias (so called).....	164
Mortality:	
Deaths from all causes.....	24
Deaths from typhoid fever.....	23
Per cent of deaths among probable typhoid.....	18. 69
Per cent of typhoid deaths to deaths from all causes...	95. 83















### THIRTEENTH PENNSYLVANIA VOLUNTEER INFANTRY.

Chart 53, showing the prevalence of the more important diseases in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 331.)

#### Camps:

April 28 to May 18, 1898, Mount Gretna, Pa.  
May 19 to August 31, 1898, Camp Alger. Va.  
August 31 to November 14, 1898, Camp Meade, Pa.

Period of service covered by this report, six months eleven days.

Mean strength..... 824

#### Morbidity:

Probable typhoid, including recognized ..... 105

Recognized typhoid ..... 97

Diarrhoeal diseases ..... 221

Malaria (so called) ..... 179

#### Mortality:

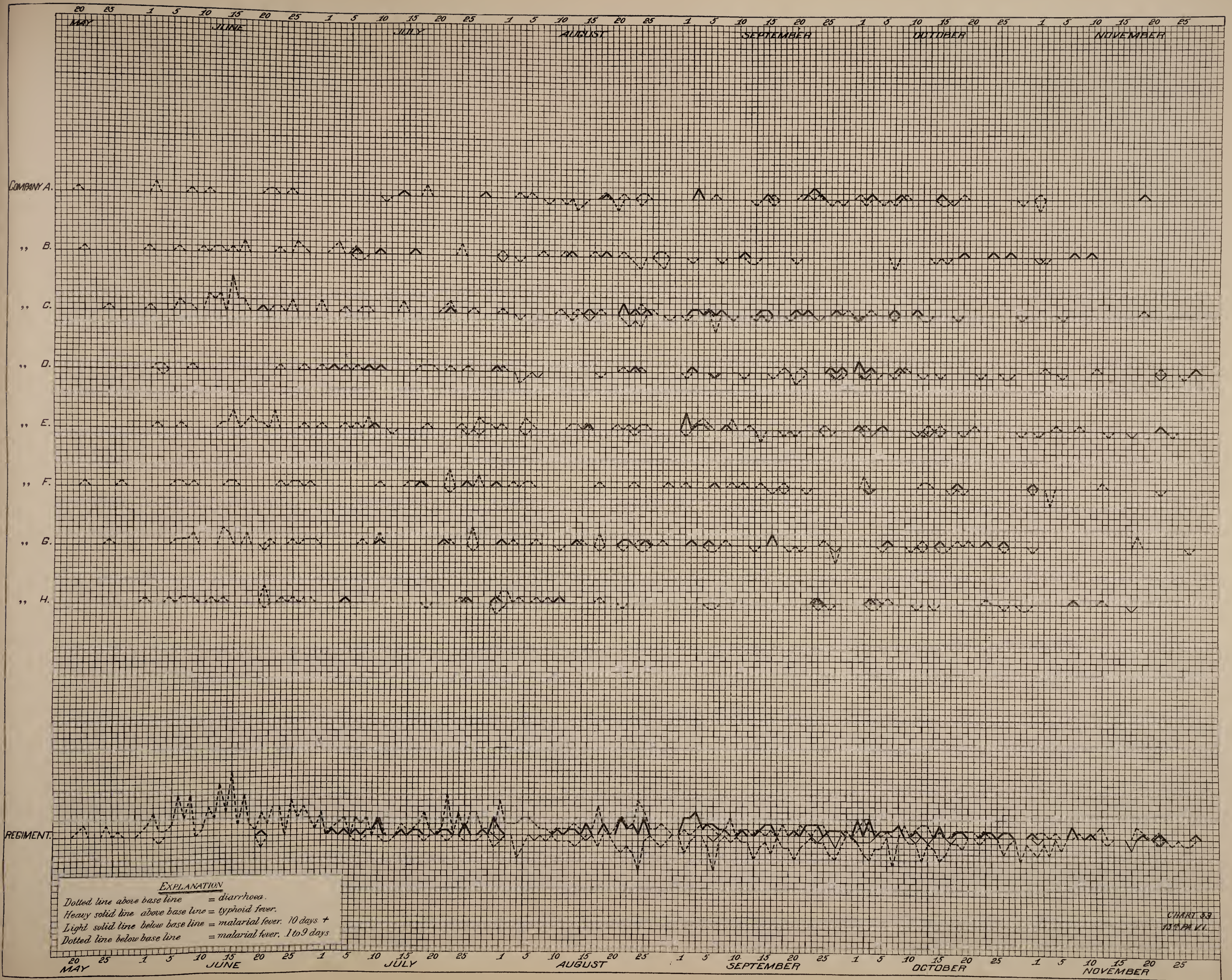
Deaths from all causes ..... 19

Deaths from typhoid fever ..... 15

Per cent of deaths from probable typhoid ..... 14. 28

Per cent of typhoid deaths to deaths from all causes ..... 78. 94















### THIRD VIRGINIA VOLUNTEER INFANTRY.

Chart 54, showing the prevalence of the more important diseases in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 334.)

#### Camps:

May 14 to June 5, 1898, Richmond, Va.

June 5, to September 8, 1898, Camp Alger, Va.

Period of service covered by this report, four months six days.

Mean strength ..... 1,141

#### Morbidity:

Probable typhoid, including recognized ..... 70

Diarrhoeal diseases ..... 198

Malaria ..... 109

#### Mortality:

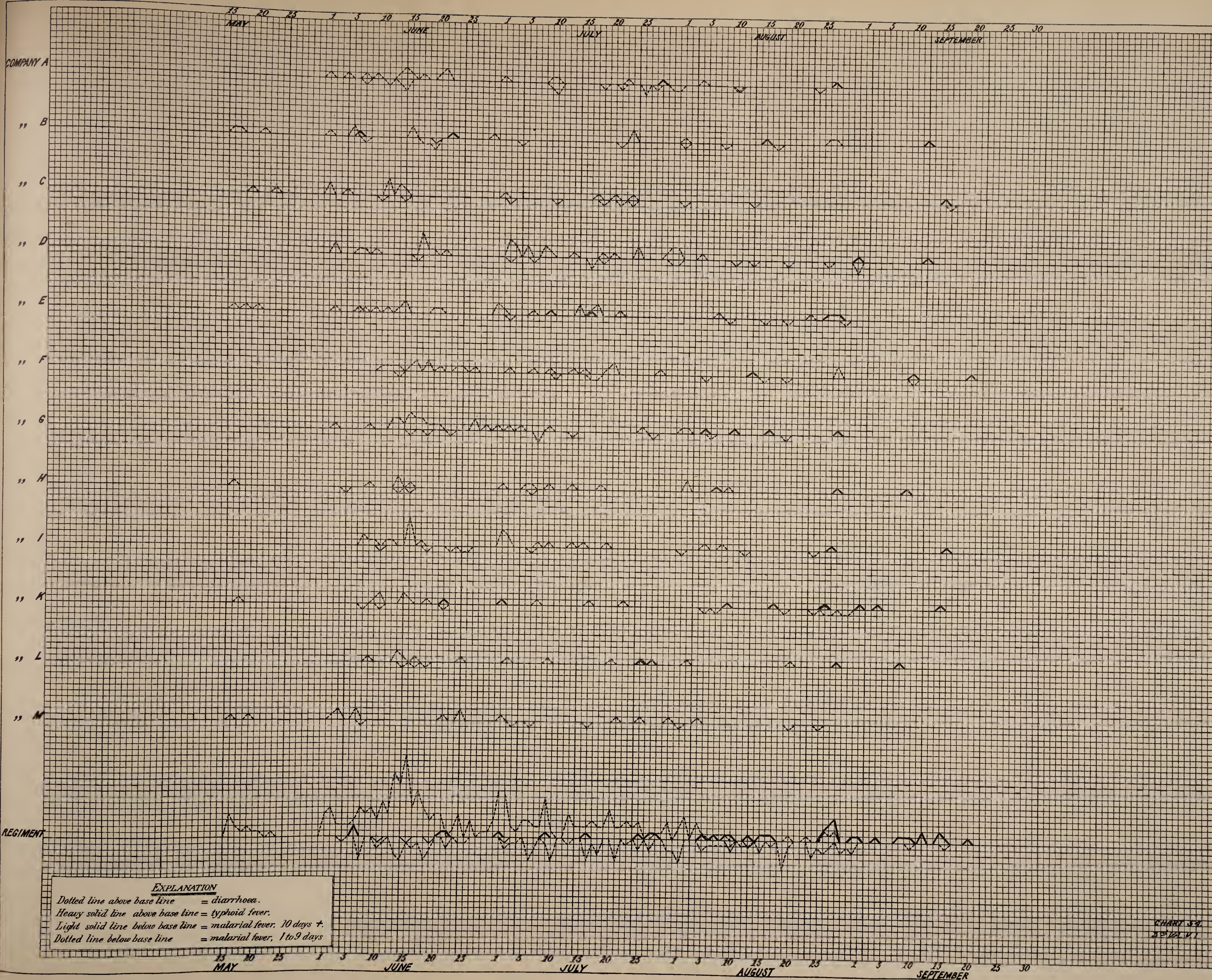
Deaths from all causes ..... 14

Deaths from typhoid fever ..... 13

Per cent of deaths among probable typhoid ..... 18.57

Per cent of typhoid deaths to deaths from all causes... 92.85





EXPLANATION

- Dotted line above base line = diarrhoea.
- Heavy solid line above base line = typhoid fever.
- Light solid line below base line = malarial fever, 10 days +.
- Dotted line below base line = malarial fever, 1 to 9 days.

CHART 59  
1916











FIRST CONNECTICUT VOLUNTEER INFANTRY.

Chart 55. showing the prevalence of the more important diseases in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 336.)

Camps:

- May 14 to July 17, 1898, Niantic, Conn.
- July 19 to September 7, 1898, Camp Alger, Va.
- September 7, 1898, left for Niantic, Conn.
- September 22, furloughed for thirty days.
- November 1, 1898, mustered out.

Period of service covered by this report, five months ten days.

Mean strength..... 1,085

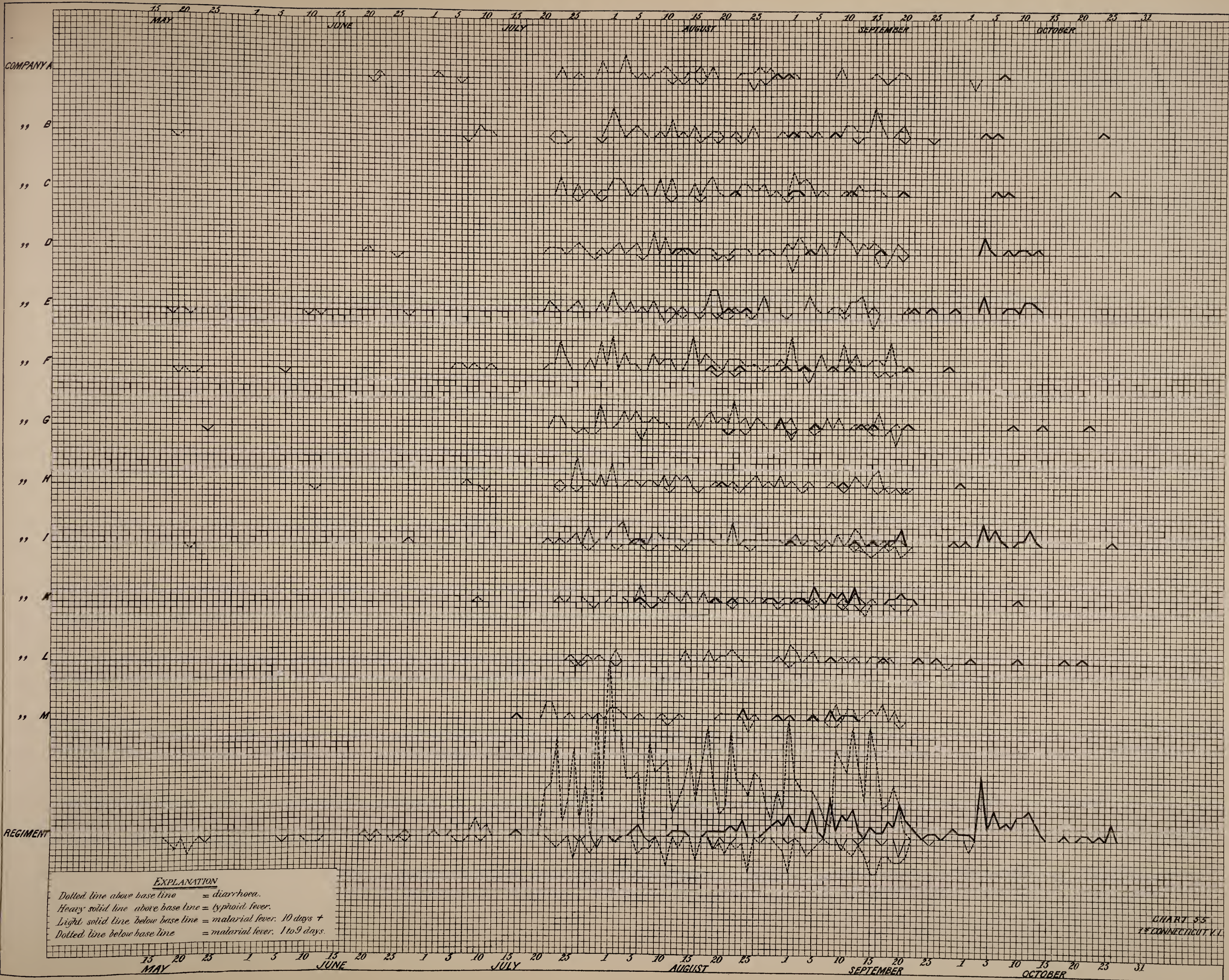
Morbidity:

Probable typhoid, including recognized .....	142
Diarrhoeal diseases .....	468
Malaria .....	149

Mortality:

Deaths from all causes.....	20
Deaths from typhoid fever.....	19
Per cent of deaths among probable typhoid.....	13.38
Per cent of typhoid deaths to deaths from all causes...	95















# NEW YORK VOLUNTEER CAVALRY, TROOPS A AND C.

Chart 56, showing the prevalence of the more important diseases in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 338.)

## Camps:

May, 1898, mustered into service.  
 May 23 to July 23, 1898, Camp Alger, Va.  
 July 23, left for service in Porto Rico.  
 October, 1898, returned from Porto Rico.

Period of service covered by this report, three months eleven days.

Mean strength..... —

## Morbidity:

Probable typhoid, including recognized ..... 12

## Mortality:

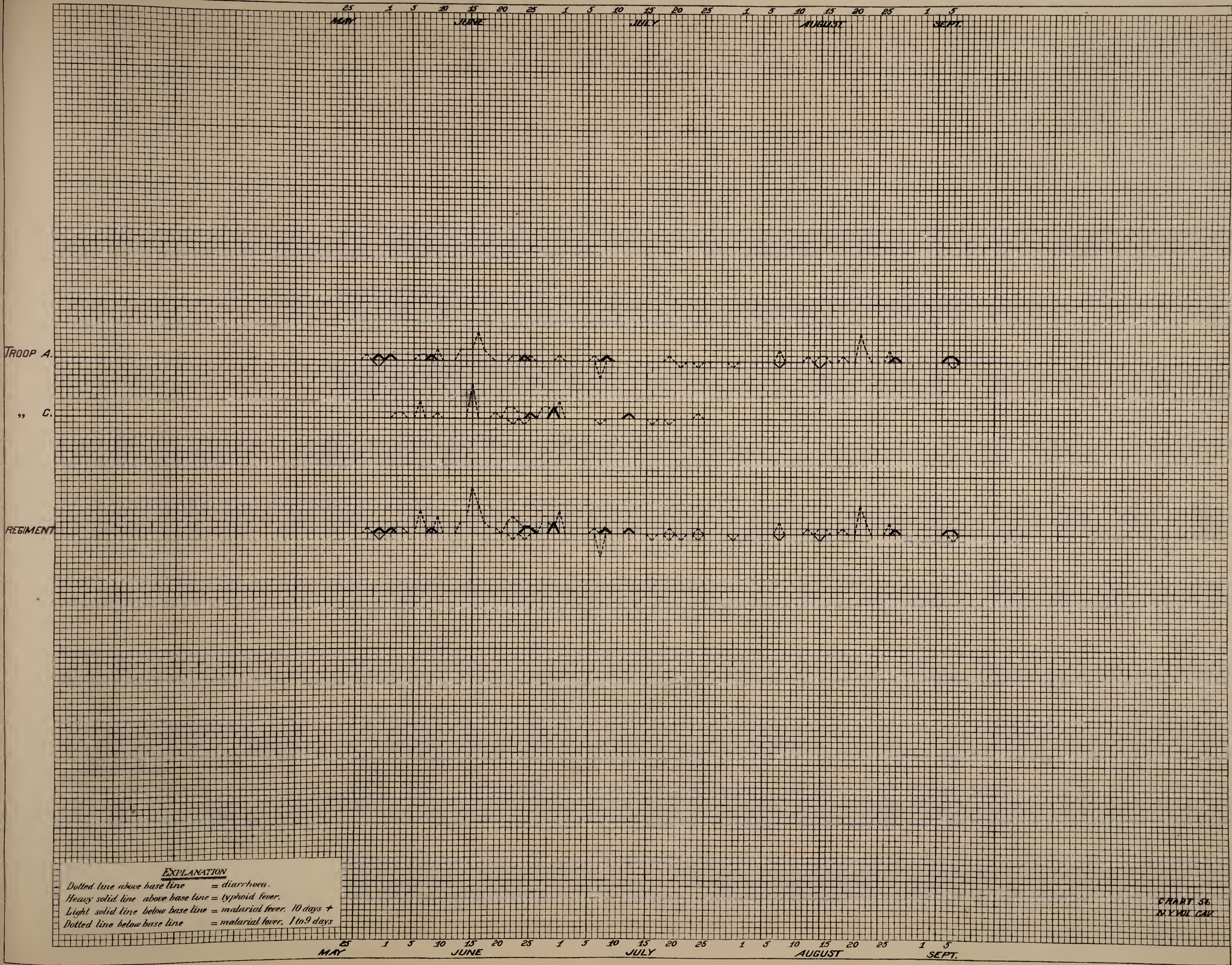
Deaths from all causes..... 2

Deaths from typhoid fever..... 1

Per cent of deaths among probable typhoid..... 8.33

Per cent of typhoid deaths to deaths from all causes... 50





EXPLANATION

- Dotted line above base line = diarrhoea.
- Heavy solid line above base line = typhoid fever.
- Light solid line below base line = malarial fever, 10 days +
- Dotted line below base line = malarial fever, 1 to 9 days

CHART 56  
MYND CAR











## TWENTY=SECOND KANSAS VOLUNTEER INFANTRY.

Chart 57, showing the prevalence of the more important diseases in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 343.)

### Camps:

May, early part, to May 25, 1898, Topeka, Kans.  
 May 28 to August 3, 1898, Camp Alger, Va.  
 August 3, 1898, left en route for Thoroughfare Gap, Va.  
 August 10, 1898, arrived at Camp Meade, Pa.  
 September 9, left for Fort Leavenworth, Kans.  
 September 12, 1898, furloughed for thirty days.

Period of service covered by this report, five months fourteen days.

Mean strength..... 1,199

### Morbidity:

Probable typhoid, including recognized ..... 83

Diarrhoeal diseases ..... 228

Malaria (so called)..... 300

### Mortality:

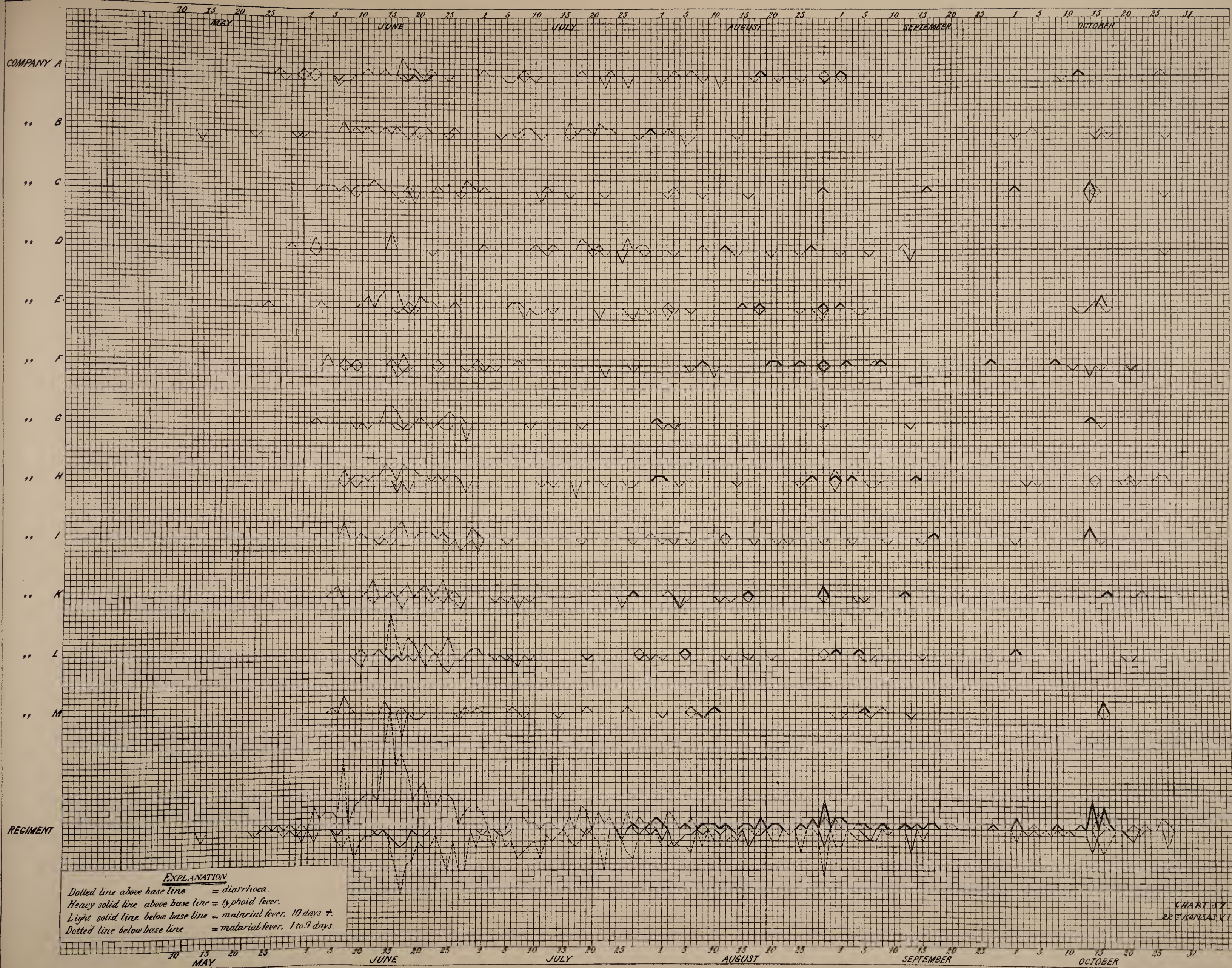
Deaths from all causes..... 15

Deaths from typhoid fever..... 11

Per cent of deaths among probable typhoid..... 13.25

Per cent of typhoid deaths to deaths from all causes... 73.33















ONE HUNDRED AND FIFTY-NINTH INDIANA VOLUNTEER INFANTRY.

Chart 58, showing the prevalence of the more important diseases in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 345.)

Camps:

- May 13 to May 22, 1898, Indianapolis, Ind.
- May 24 to August 3, Camp Alger, Va.
- August 3, 1898, left for Thoroughfare Gap, Va.
- August 25 to September 11, 1898, arrived at Camp Meade.
- September 12 to September 17, 1898, Indianapolis, Ind., then furloughed.
- November 23, 1898, mustered out.

Period of service covered by this report, six months nine days.

Mean strength..... 1,190

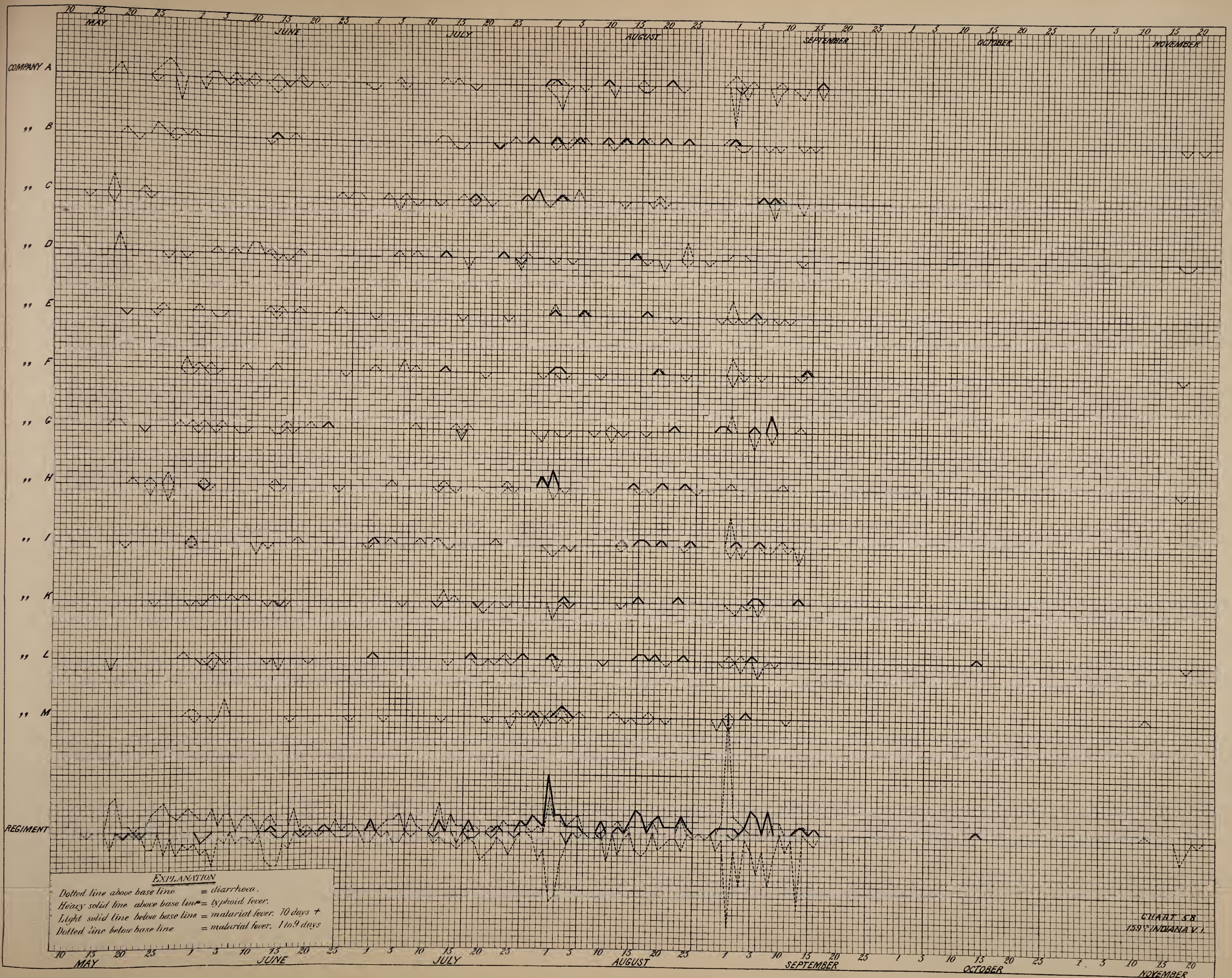
Morbidity:

- Probable typhoid, including recognized ..... 89
- Diarrhoeal diseases ..... 170
- Malarias (so called) ..... 303

Mortality:

- Deaths from all causes..... 11
- Deaths from typhoid fever ..... 8
- Per cent of deaths among probable typhoid ..... 8.98
- Per cent of typhoid deaths to deaths from all causes... 72.72















THIRD NEW YORK VOLUNTEER INFANTRY.

Chart 59, showing the prevalence of the more important diseases in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 347.)

Camps:

- May 15 to May 28, 1898, Camp Black, L. I.
- May 28 to August 3, 1898, Camp Alger, Va.
- August 3, 1898, left en route for Thoroughfare Gap, Va.
- August 29, 1898, arrived at Camp Meade, Pa.

Period of service covered by this report, four months eight days.

Mean strength..... 1,211

Morbidity:

Probable typhoid, including recognized ..... 185

Diarrhoeal diseases ..... 260

Malarias (so called)..... 236

Mortality:

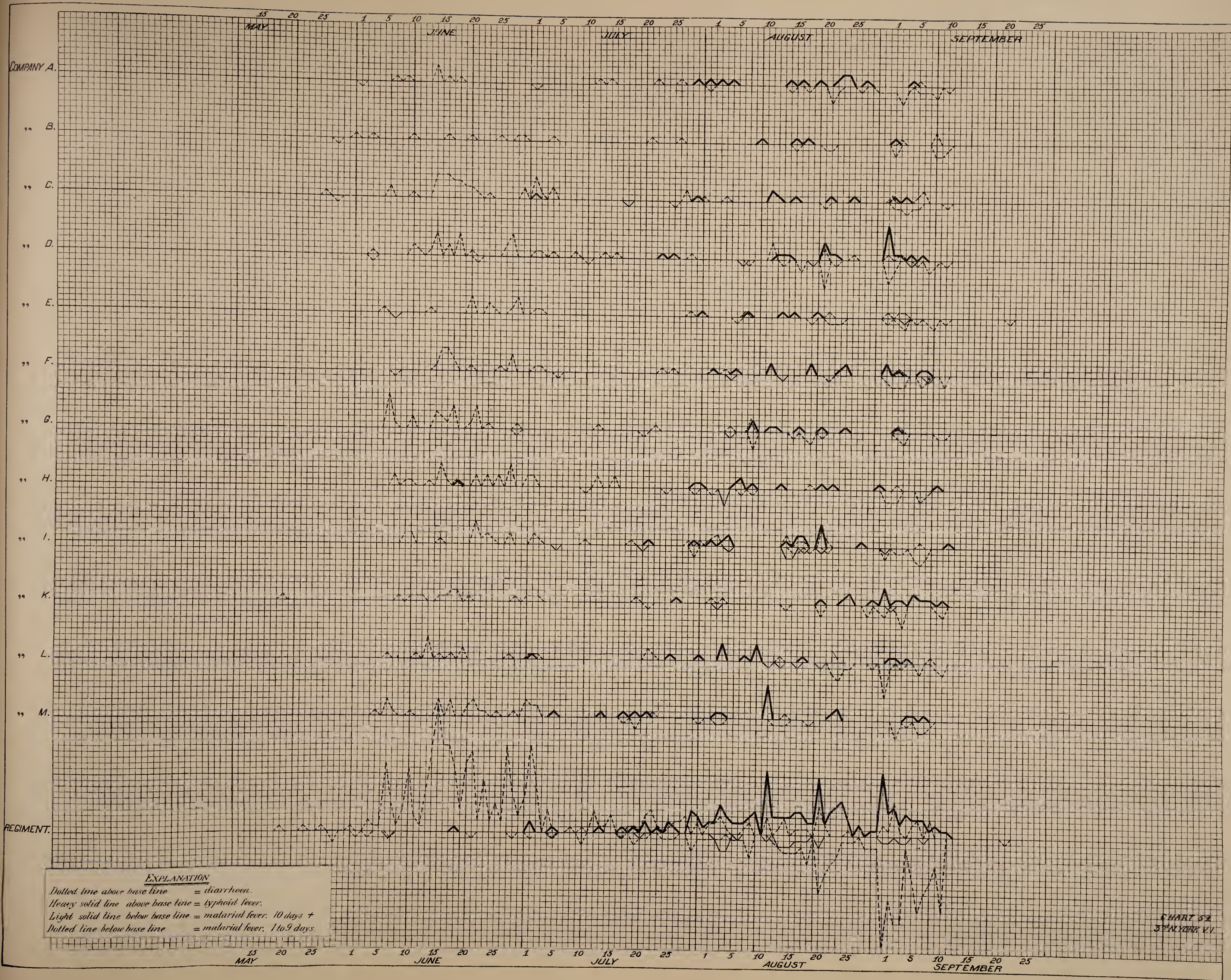
Deaths from all causes..... 35

Deaths from typhoid fever..... 31

Per cent of deaths among probable typhoid..... 16.75

Per cent of typhoid deaths to deaths from all causes... 88.57





EXPLANATION

Dotted line above base line = diarrhoea.  
Heavy solid line above base line = typhoid fever.  
Light solid line below base line = malarial fever, 10 days +  
Dotted line below base line = malarial fever, 1 to 9 days.











SEVENTH ILLINOIS VOLUNTEER INFANTRY.

Chart 60, showing the prevalence of the more important diseases in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 348.)

Camps:

- May — to June 1, 1898, Springfield, Ill.
- June 3 to August 1, 1898, Camp Alger, Va.
- August 1, 1898, left en route for Thoroughfare Gap.
- September 7, 1898, left Thoroughfare Gap for Springfield, Ill.
- October 20, 1898, mustered out.

Period of service covered by this report, three months fifteen days.

Mean strength ..... 1,219

Morbidity:

Probable typhoid, including recognized ..... 119  
Diarrhoeal diseases ..... 247  
Malarias ..... 174

Mortality:

Deaths from all causes ..... 2  
Deaths from typhoid fever ..... 2  
Per cent of deaths among probable typhoid ..... 1.68  
Per cent of typhoid deaths to deaths from all causes ... 100.00



COMPANY A

" B

" C

" D

" E

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" I

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" L

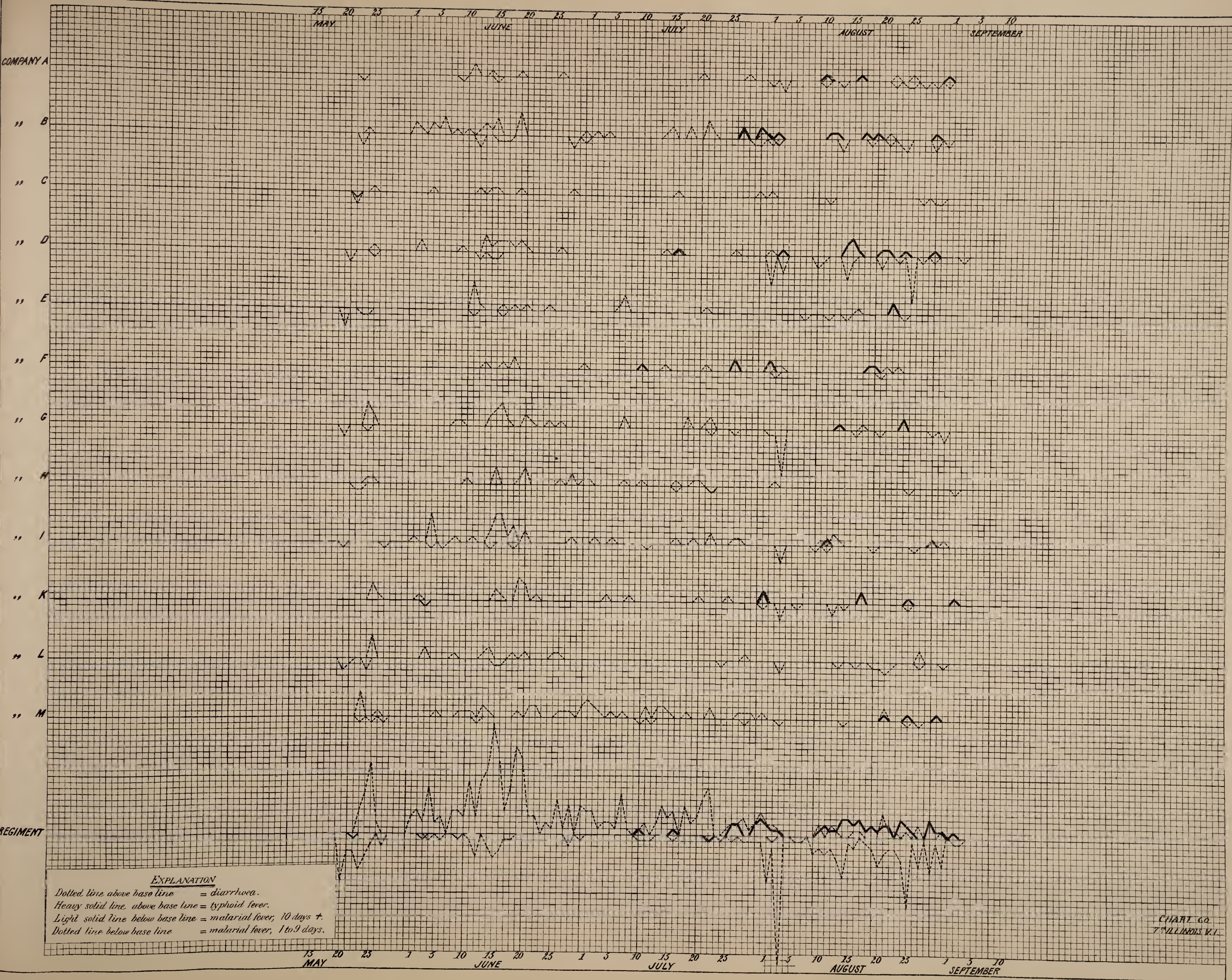
" M

REGIMENT

EXPLANATION

Dotted line above base line = diarrhoea.  
 Heavy solid line above base line = typhoid fever.  
 Light solid line below base line = malarial fever, 10 days +.  
 Dotted line below base line = malarial fever, 1 to 9 days.

CHART 60  
 7 MILLIMETER













# SIXTH PENNSYLVANIA VOLUNTEER INFANTRY.

Chart 61, showing the prevalence of the more important diseases in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 350.)

## Camps:

May, first part, to May 18, 1898, Mount Gretna, Pa.  
 May 19 to August 3, 1898, Camp Alger, Va.  
 August 3 to August 24, Thoroughfare Gap, Va.  
 August 25, 1898, arrived at Camp Meade, Pa.

Period of service covered by this report, four months twenty-four days.

Mean strength..... 1,236

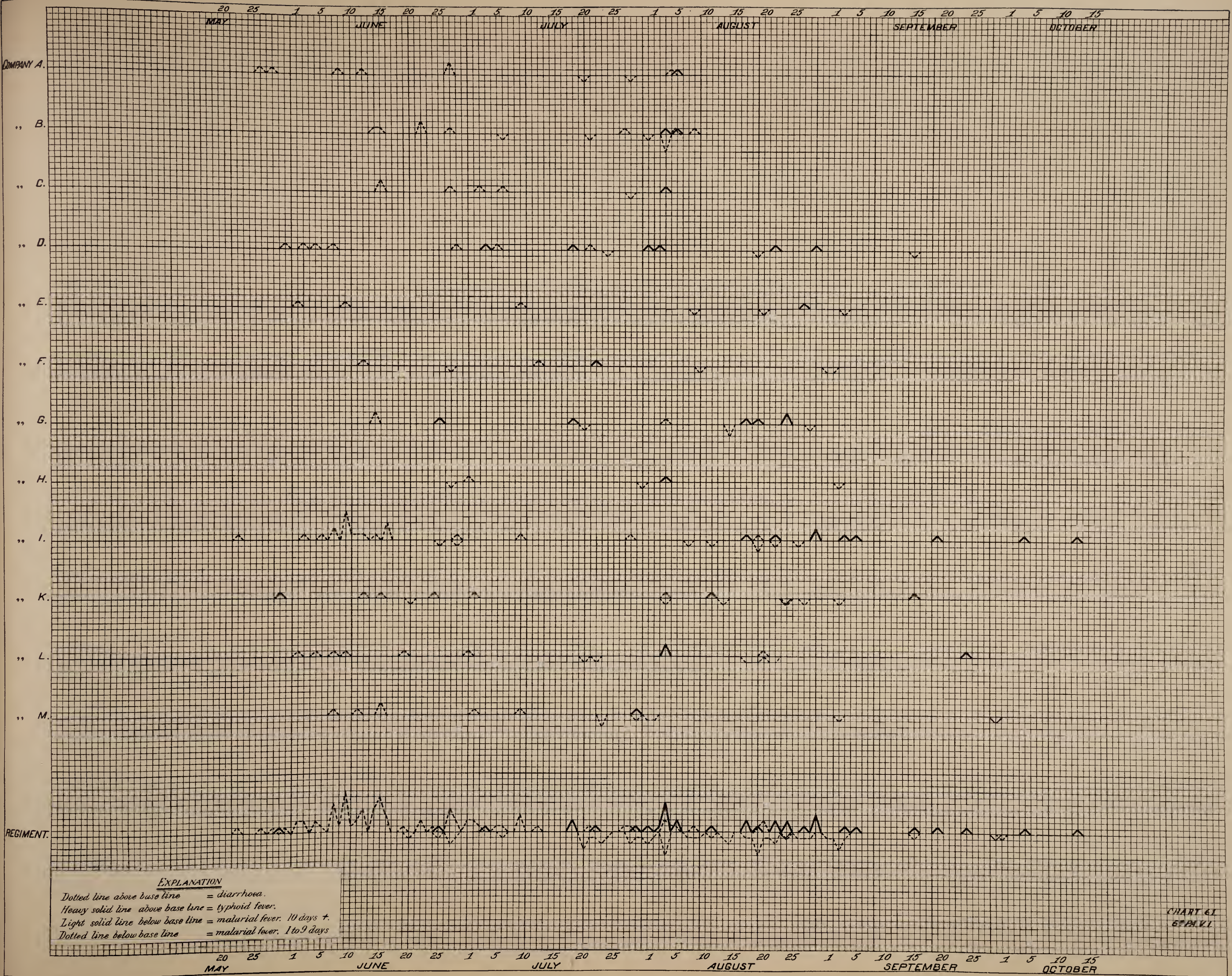
## Morbidity:

Probable typhoid, including recognized..... 36  
 Diarrhoeal diseases..... 69  
 Malarias..... 56

## Mortality:

Deaths from all causes..... 9  
 Deaths from typhoid fever..... 6  
 Per cent of deaths among probable typhoid..... 16.66  
 Per cent of typhoid deaths to deaths from all causes... 66.66















#### FOURTH MISSOURI VOLUNTEER INFANTRY.

Chart 62, showing the prevalence of the more important diseases in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 352.)

##### Camps:

May 14 to May 24, 1898, St. Louis, Mo.  
May 27 to August 20, Camp Alger, Va.  
August 21 to November 14, 1898, Camp Meade, Pa.  
November 17, 1898, Camp Wetherell, S. C.

Period of service covered by this report, seven months two days.

Mean strength..... 1,196

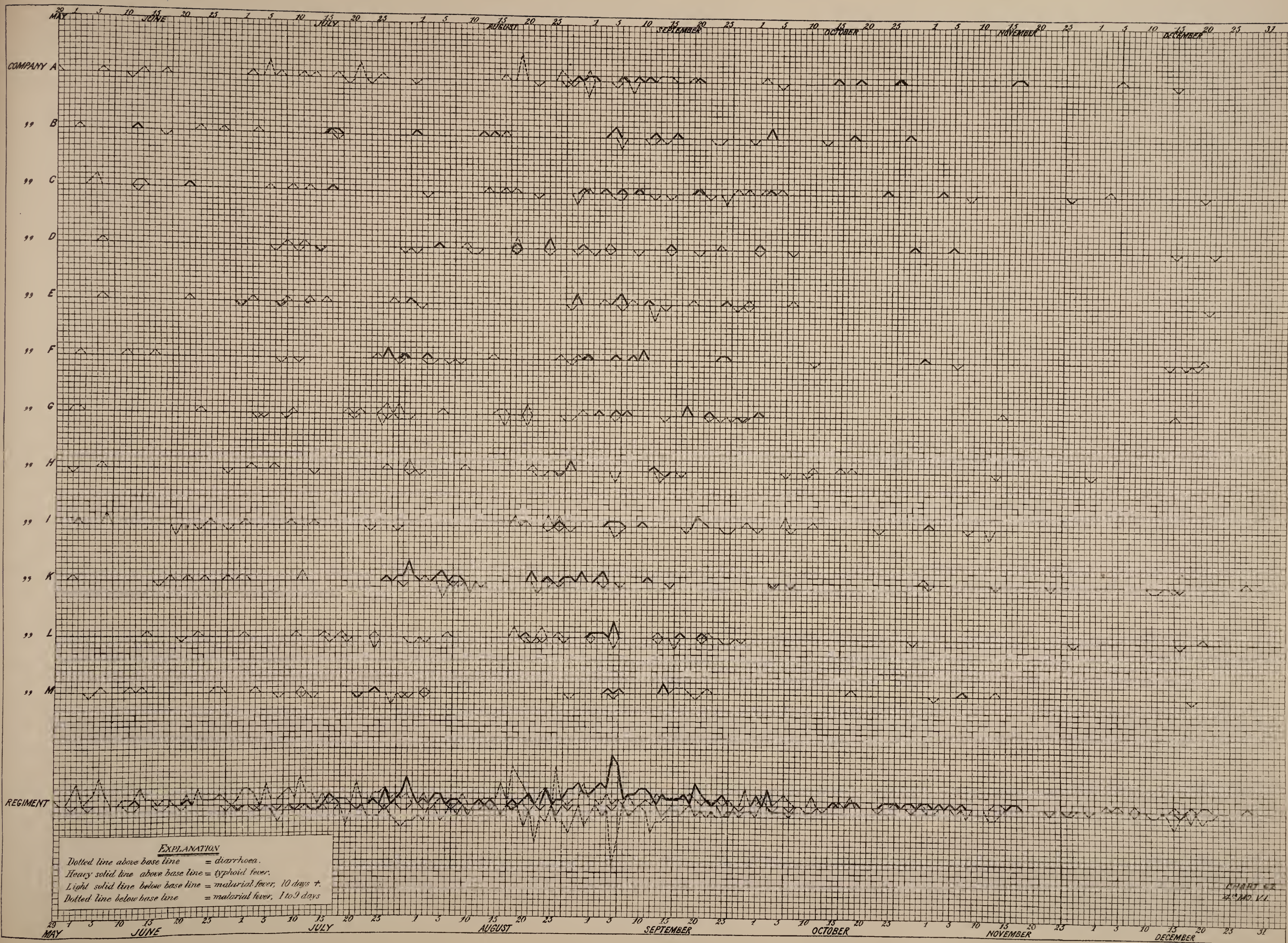
##### Morbidity:

Probable typhoid, including recognized..... 156  
Diarrhoeal diseases..... 176  
Malaria (so called)..... 236

##### Mortality:

Deaths from all causes..... 24  
Deaths from typhoid fever..... 18  
Per cent of deaths among probable typhoid..... 11.53  
Per cent of typhoid deaths to deaths from all causes... 75.00















# NINTH OHIO BATTALION VOLUNTEER INFANTRY.

Chart 63, showing the prevalence of the more important diseases in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 355.)

## Camps:

May 14 to May 20, 1898, Columbus, Ohio.  
 May 20 to August 16, 1898, Camp Alger, Va.  
 August 17 to November 14, 1898, Camp Meade, Pa.

Period of service covered by this report, six months eight days.

Mean strength..... 384

## Morbidity:

Probable typhoid, including recognized ..... 54

## Mortality:

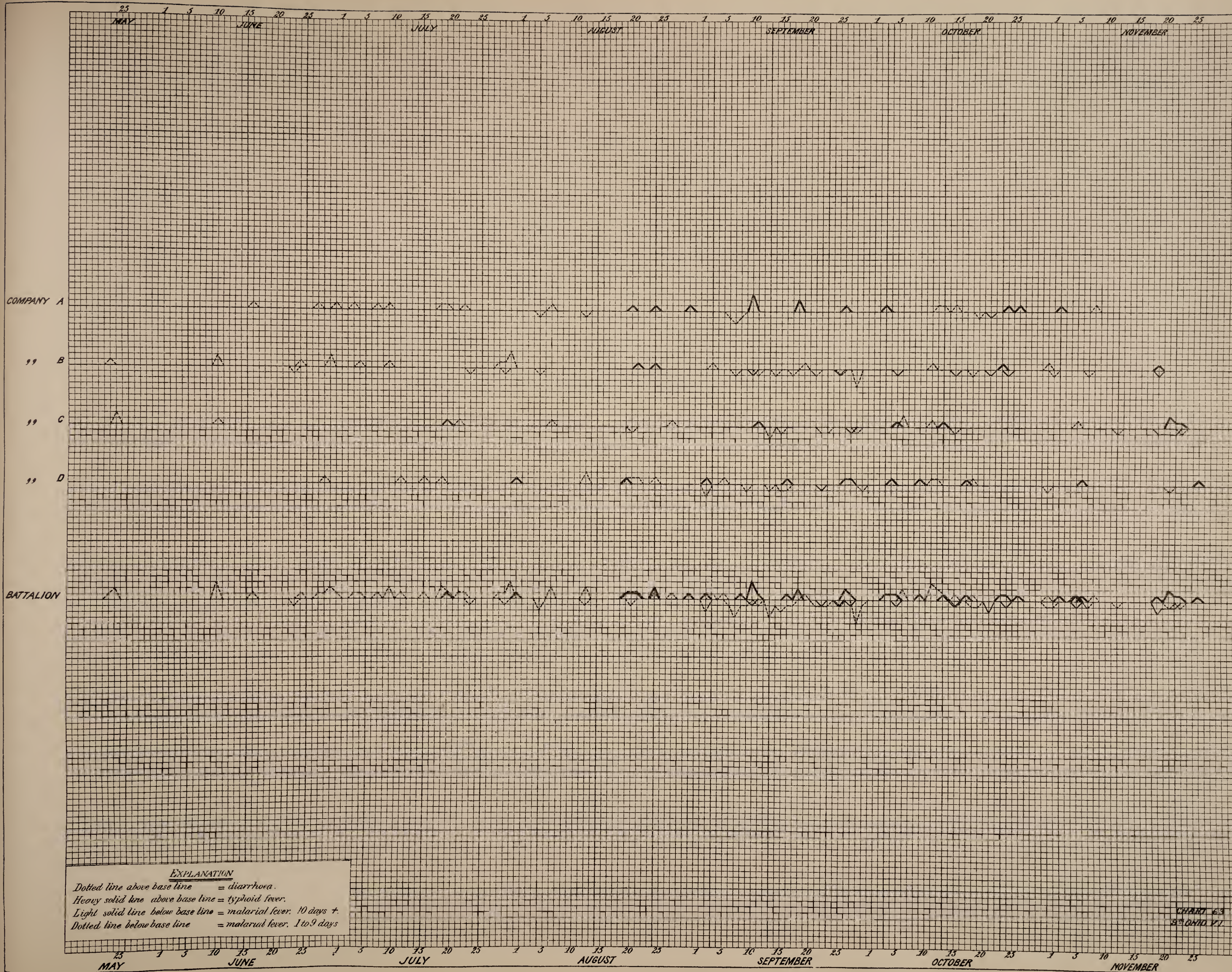
Deaths from all causes..... 5

Deaths from typhoid fever..... 5

Per cent of deaths among probable typhoid..... 9. 25

Per cent of typhoid deaths to deaths from all causes..... 100















THIRD MISSOURI VOLUNTEER INFANTRY.

Chart 64, showing the prevalence of the more important diseases in this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 357.)

Camps:

- May 10 to May 25, 1898, Jefferson Barracks, Mo.
- May 28 to August 3, 1898, Camp Alger, Va.
- August 3, left en route for Thoroughfare Gap, Va.
- August 21 to September 6, 1898, Camp Meade, Pa.
- November 7, 1898, mustered out.

Period of service covered by this report, five months twenty-nine days.

Mean strength..... 1, 165

Morbidity:

Probable typhoid, including recognized ..... 100

Diarrhoeal diseases ..... 331

Malarias (so called)..... 211

Mortality:

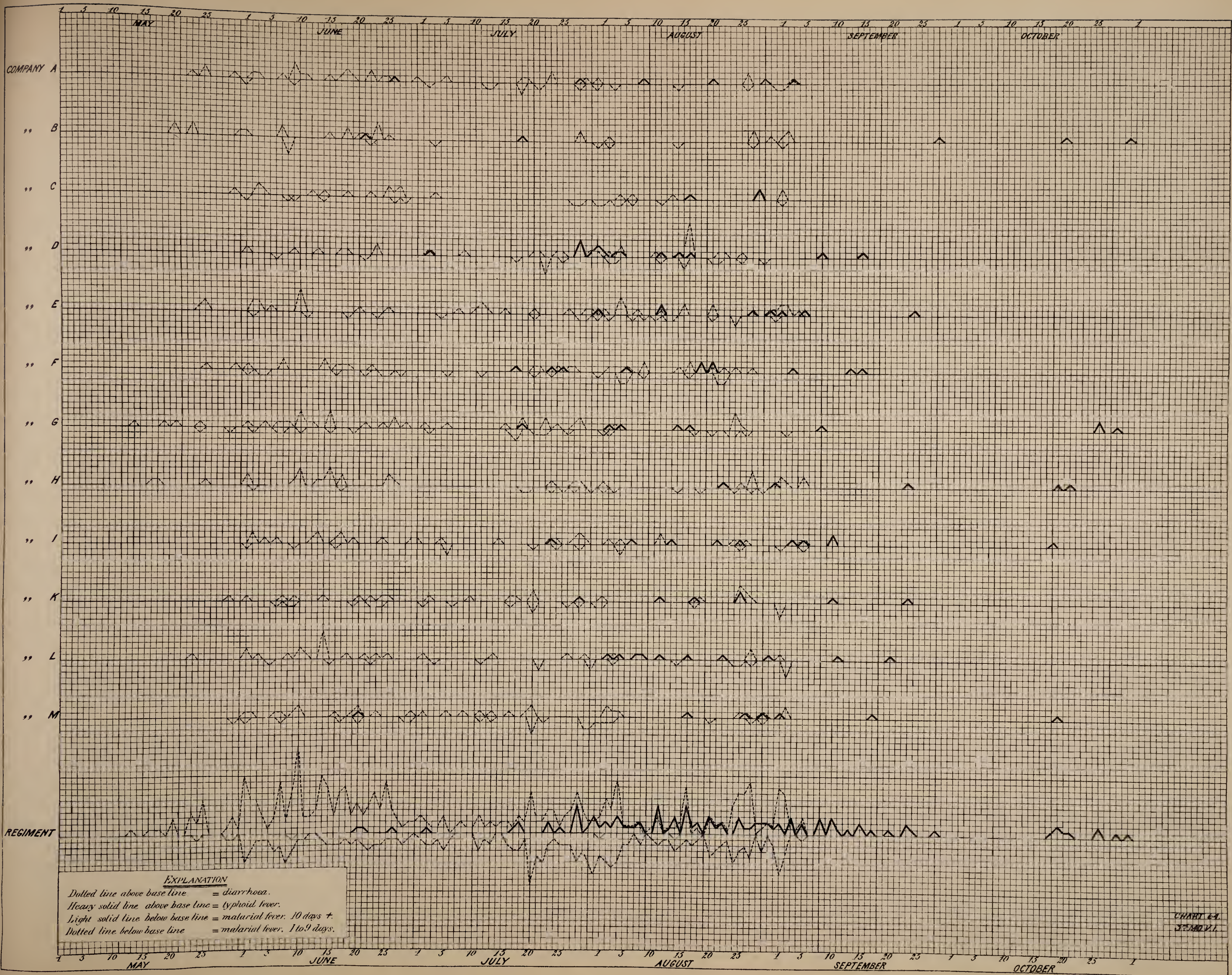
Deaths from all causes ..... 13

Deaths from typhoid fever ..... 9

Per cent of deaths among probable cases of typhoid... 9. 00

Per cent of typhoid deaths to deaths from all causes... 69. 23















# FIRST RHODE ISLAND VOLUNTEER INFANTRY.

Chart 65, showing the prevalence of the more important diseases in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 358.)

## Camps:

May 8 to May 26, 1898, Quonset Point, R. I.  
May 28 to August 3, 1898, Camp Alger, Va.  
August 4 to August 22, 1898, Thoroughfare Gap, Va.  
August 22 to November 13, 1898, Camp Meade, Pa.  
November 13, 1898, left for Columbia, S. C.

Period of service covered by this report, six months six days.

Mean strength..... 1,209

## Morbidity:

Probable and certain typhoid..... 269

Diarrhoeal diseases ..... 137

Malarias ..... 538

## Mortality:

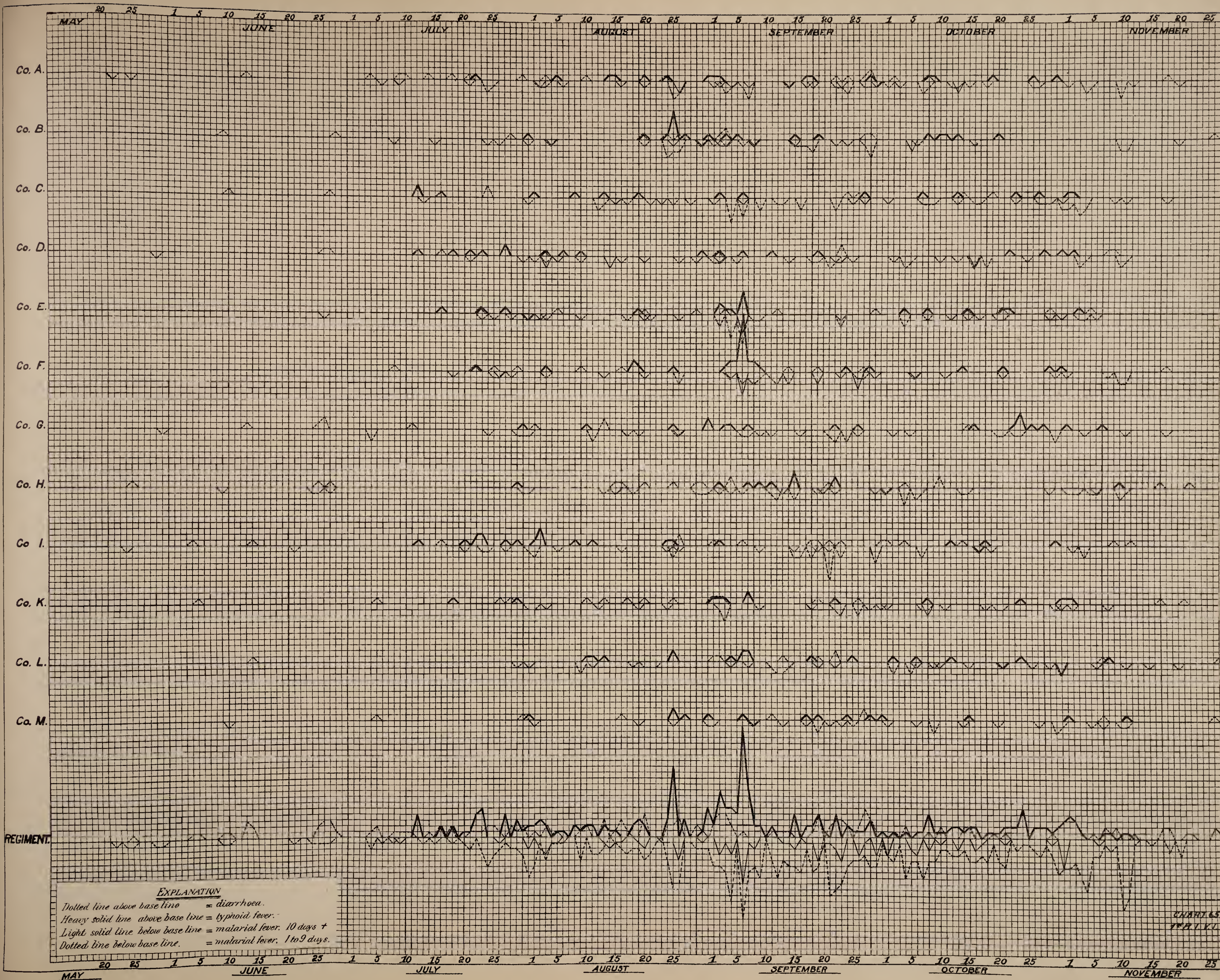
Deaths from all causes..... 11

Deaths from typhoid fever..... 10

Per cent of deaths among probable typhoid..... 3.71

Per cent of typhoid deaths to deaths from all causes... 90.91















## SECOND TENNESSEE VOLUNTEER INFANTRY.

Chart 66, showing the prevalence of the more important diseases in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 362.)

### Camps:

May 24 to May 28, 1898, Nashville, Tenn.  
 May 29 to August 9, 1898, Camp Alger, Va.  
 August 9 to August 24, 1898, Thoroughfare Gap, Va.  
 August 25 to November 10, 1898, Camp Meade, Pa.

Period of service covered by this report, seven months eleven days.

Mean strength..... 1,202

### Morbidity:

Probable and certain typhoid..... 192

Diarrhoeal diseases ..... 70

Malarias ..... 175

### Mortality:

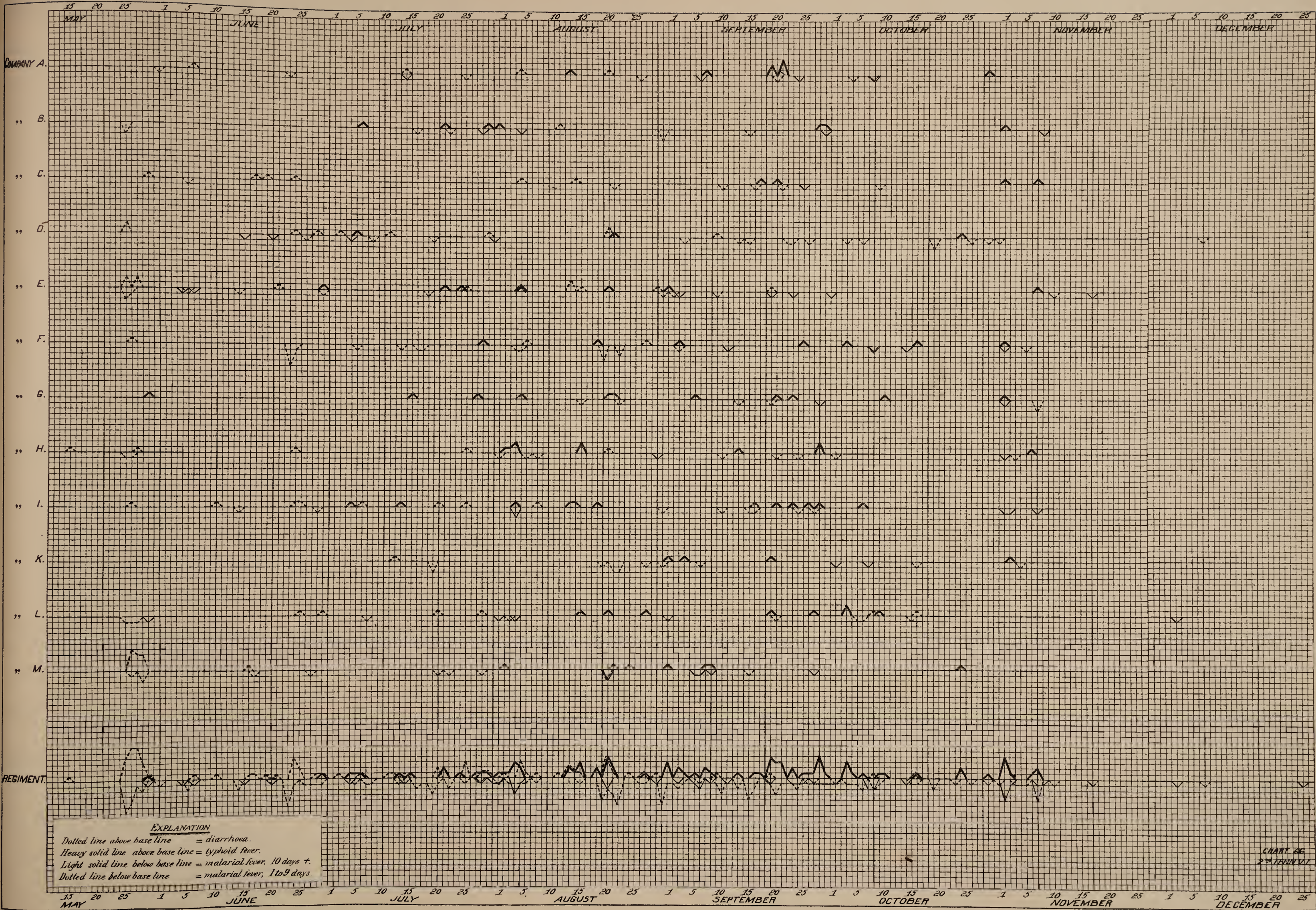
Deaths from all causes..... 15

Deaths from typhoid fever..... 8

Per cent of deaths among probable typhoid..... 4.16

Per cent of typhoid deaths to deaths from all causes... 53.33





EXPLANATION

- Dotted line above base line = diarrhoea.
- Heavy solid line above base line = typhoid fever.
- Light solid line below base line = malarial fever, 10 days +.
- Dotted line below base line = malarial fever, 1 to 9 days.

CHART 66  
2<sup>ND</sup> EDITION











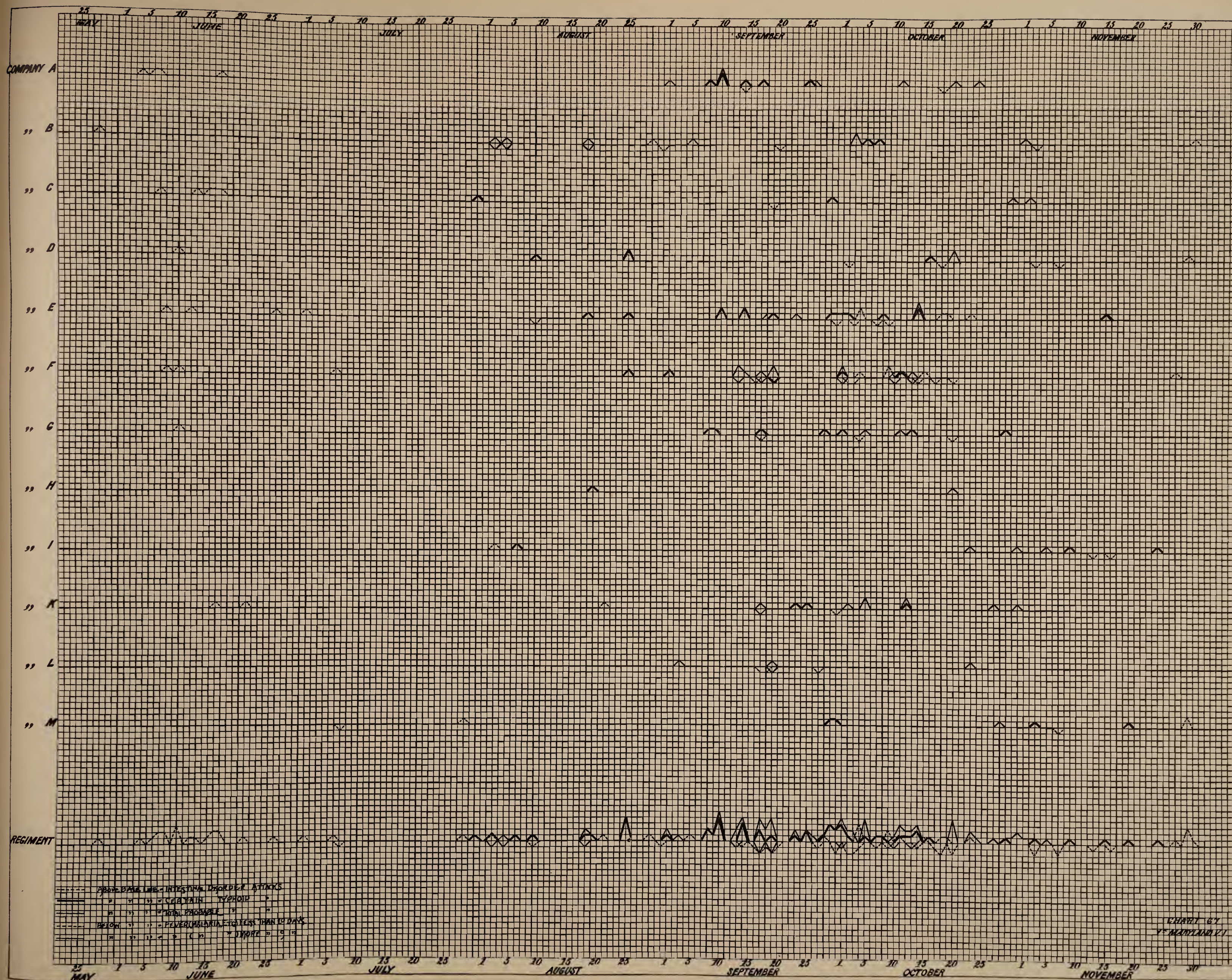
FIRST MARYLAND VOLUNTEER INFANTRY.

Chart 67, showing the prevalence of the more important diseases in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 382.)

- Camps:
- April 25 to May 25, 1898, State camp, Pimlico, Md.
  - May 25 to September 8, Fort Monroe, Va.
  - September 9 to November 15, 1898, Camp Meade, Pa.
  - November 17, 1898, to February 28, 1899, Camp Mackenzie, Ga.

Period of service covered by this report, seven months six days.	
Mean strength.....	1,251
Morbidity:	
Probable typhoid, including recognized and unrecognized typhoid and long malarias .....	96
Recognized typhoid .....	51
Unrecognized typhoid .....	34
Long malarias (so called).....	11
	96
Intestinal disorders.....	41
Short malarias (so called) .....	23
Mortality:	
Deaths from all causes.....	12
Deaths from typhoid fever.....	7
Per cent of deaths among probable typhoid.....	7.29
Per cent of deaths among recognized typhoid .....	13.72
Per cent of typhoid deaths to deaths from all causes...	58.33















THIRTY-FIFTH MICHIGAN VOLUNTEER INFANTRY.

Chart 68, showing the prevalence of the more important diseases in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 388.)

- Camps:
- July 10 to September 14, 1898, State camp, Island Lake, Mich.
  - September 16 to November 10, 1898, Camp Meade, Pa.
  - November 12, 1898, to March 31, 1899, Camp McKenzie, Ga.

Period of service covered by this report, five months twenty days.

Mean strength ..... 1,150

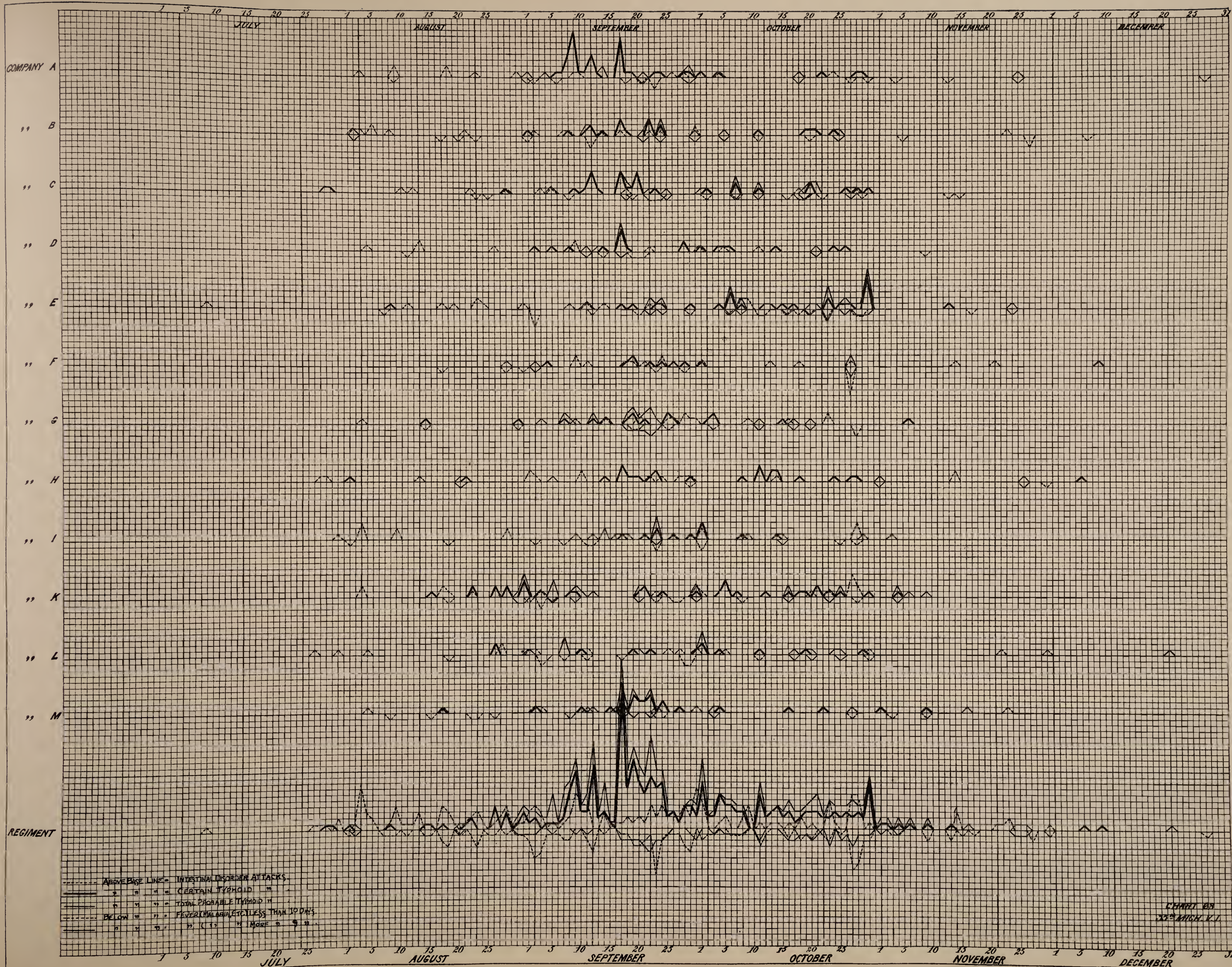
Morbidity:

Probable typhoid, including recognized and unrecognized typhoid and long malarias .....	385
Recognized typhoid .....	269
Unrecognized typhoid .....	50
Long malarias (so called) .....	66
	385
Intestinal disorders .....	210
Short malarias (so called) .....	123

Mortality:

Deaths from all causes .....	25
Deaths from typhoid fever .....	21
Per cent of deaths among probable typhoid .....	5.45
Per cent of deaths among recognized typhoid .....	7.80
Per cent of typhoid deaths to deaths from all causes ...	84















# TENTH OHIO VOLUNTEER INFANTRY.

Chart 69, showing the prevalence of the more important diseases in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 396.)

## Camps:

June 25 to August 18, 1898, State camp, Columbus, Ohio.  
August 19 to November 12, 1898, Camp Meade, Pa.  
November 14, 1898, to March 23, 1899, Camp Mackenzie, Ga.

Period of service covered by this report, six months five days.

Mean strength..... 1, 228

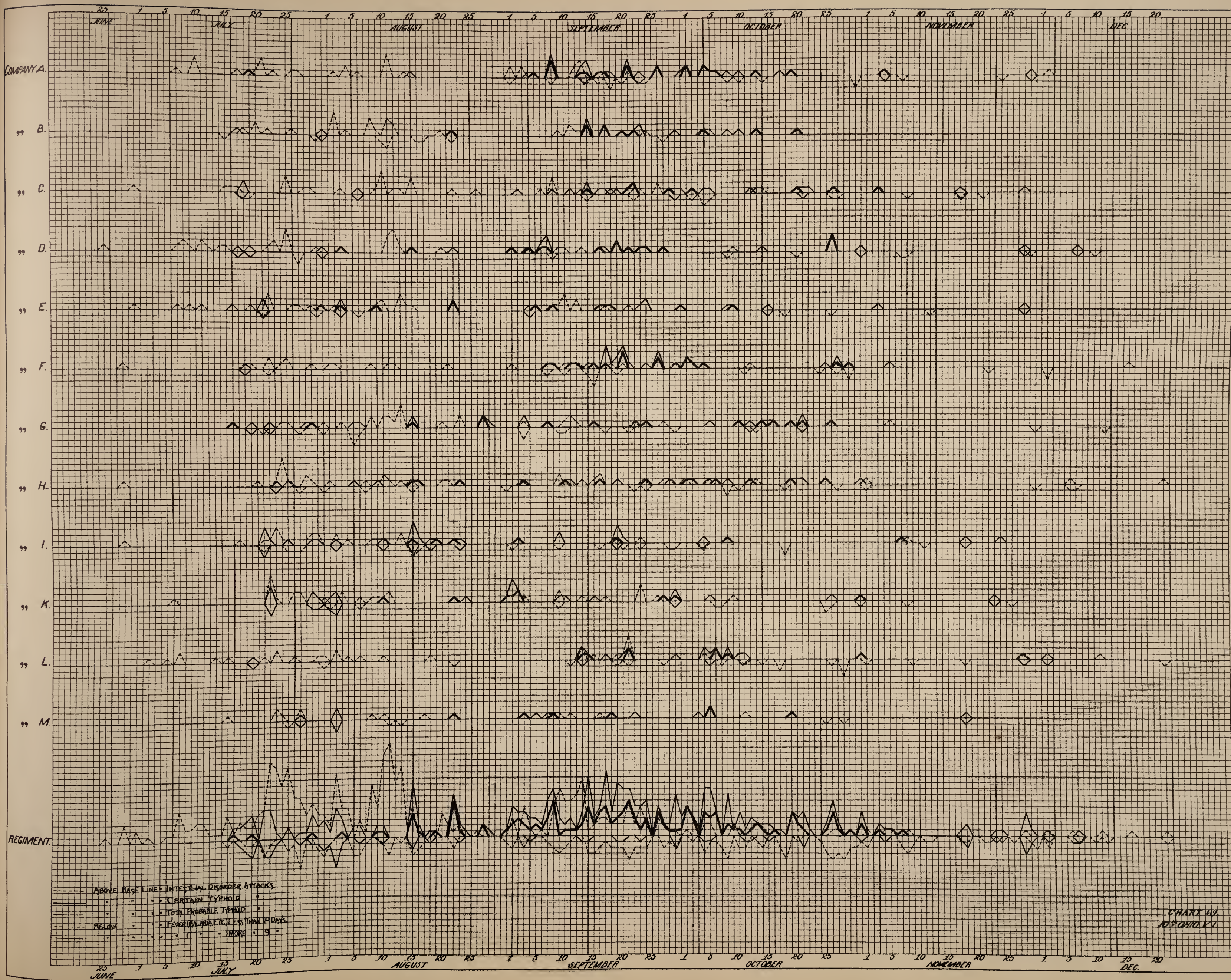
## Morbidity:

Probable typhoid, including recognized and unrecognized typhoid and long malarias .....	317
Recognized typhoid .....	141
Unrecognized typhoid .....	120
Long malarias (so called) .....	56
	317
Intestinal disorders .....	344
Short malarias (so called) .....	153

## Mortality:

Deaths from all causes .....	22
Deaths from typhoid fever .....	22
Per cent of deaths among probable typhoid .....	6. 94
Per cent of deaths among recognized typhoid .....	15. 60
Per cent of typhoid deaths to deaths from all causes ...	100















THIRD CONNECTICUT VOLUNTEER INFANTRY.

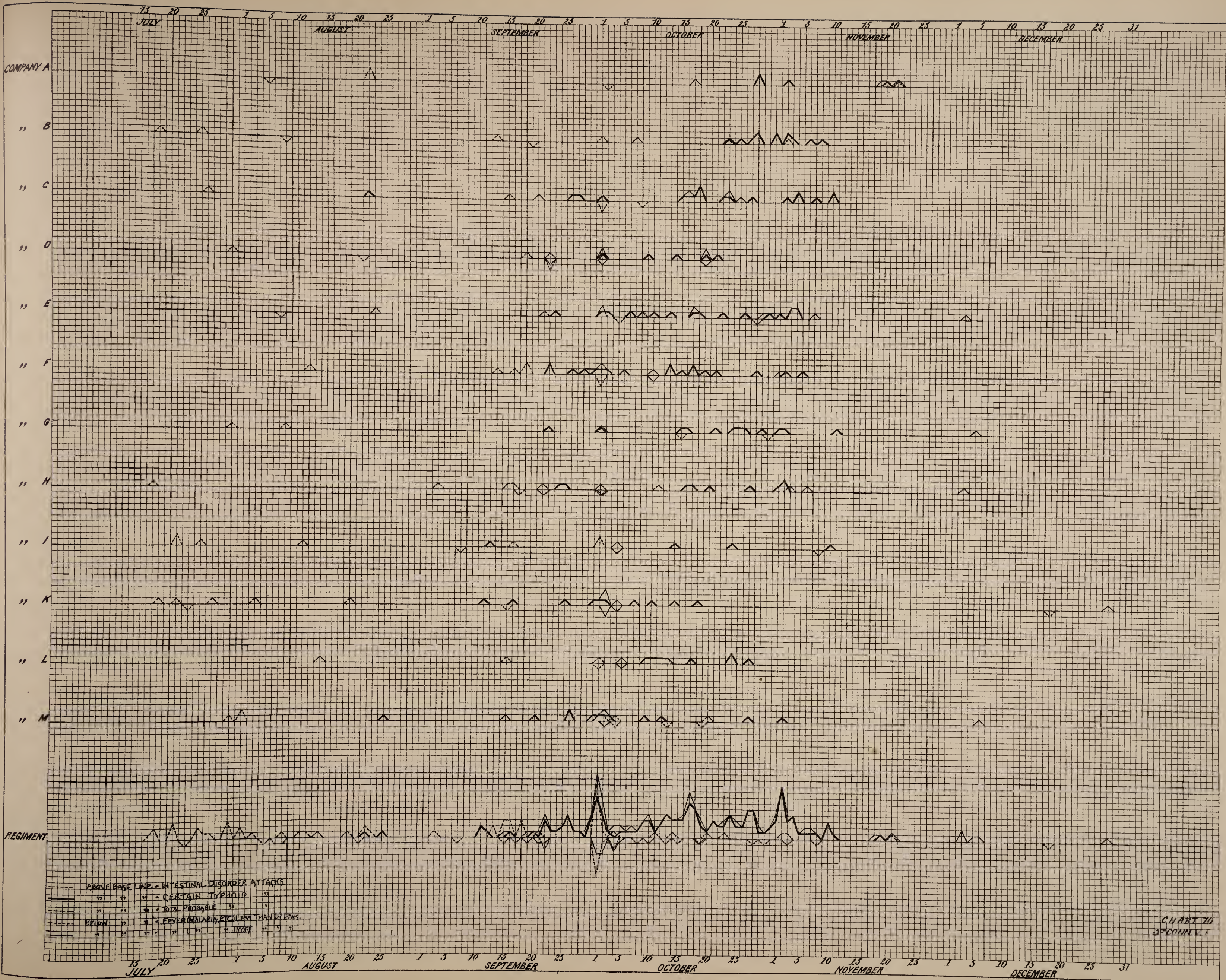
Chart 70, showing the prevalence of the more important diseases in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 402.)

Camps:

- June 23 to September 8, 1898, State camp, Niantic, Conn.
- September 10 to November 15, 1898, Camp Meade, Pa.
- November 17 to December 31, 1898, Summerville, S. C.
- March 20, 1899, mustered out, Savannah, Ga.

Period of service covered by this report, six months seven days.	
Mean strength.....	1,214
Morbidity:	
Probable typhoid, including recognized and unrecognized typhoid and long malarias .....	168
Recognized typhoid .....	132
Unrecognized typhoid .....	22
Long malarias (so called).....	14
	168
Intestinal disorders.....	54
Short malarias (so called) .....	29
Mortality:	
Deaths from all causes.....	14
Deaths from typhoid fever.....	13
Per cent of deaths among probable typhoid .....	7.73
Per cent of deaths among recognized typhoid.....	9.84
Per cent of typhoid deaths to deaths from all causes...	92.85















## TWO HUNDRED AND SECOND NEW YORK VOLUNTEER INFANTRY.

Chart 71, showing the prevalence of the more important diseases in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 408.)

### Camps:

July 20 to September 13, 1898, Camp Black, Hempstead, L. I.  
 September 14 to November 16, 1898, Camp Meade, Pa.  
 November 18 to December 3, 1898, Athens, Ga.  
 December 12 to December 31, 1898, Cuba.  
 April 15, 1899, mustered out, Savannah, Ga.

Period of service covered by this report, five months fifteen days.

Mean strength..... 1,125

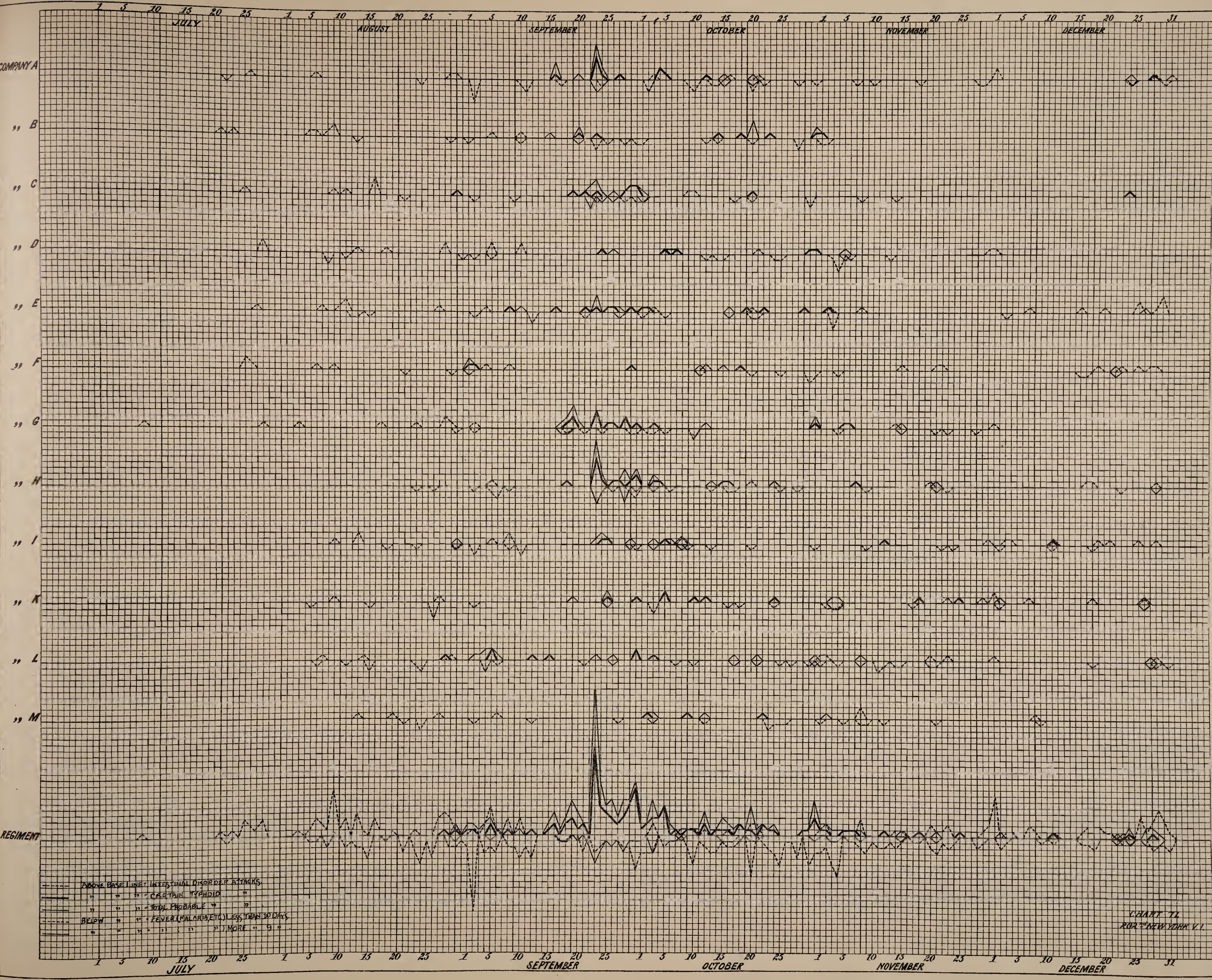
### Morbidity:

Probable typhoid, including recognized typhoid and long malarias and unrecognized typhoid.....	195
Recognized typhoid .....	110
Unrecognized typhoid.....	40
Long malarias (so called) .....	45
	195
Intestinal disorders .....	140
Short malarias (so called) .....	129

### Mortality:

Deaths from all causes.....	11
Deaths from typhoid fever.....	10
Per cent of deaths among probable typhoid.....	5.12
Per cent of deaths among recognized typhoid.....	9.09
Per cent of typhoid deaths to deaths from all causes...	90.90















FIFTEENTH MINNESOTA VOLUNTEER INFANTRY.

Chart 72, showing the prevalence of the more important diseases in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 414.)

Camps:

- July 5 to August 23, 1898, fair grounds, St. Paul, Minn.
- August 23 to September 15, 1898, Fort Snelling.
- September 18 to November 16, 1898, Camp Meade, Pa.
- November 18 to December 31, 1898, Augusta, Ga.
- March 27, 1899, mustered out, Augusta, Ga.

. Period of service covered by this report, five months twenty-six days.	
Mean strength .....	1,280
Morbidity:	
Probable typhoid, including recognized typhoid, unrecognized typhoid, and long malarias .....	475
Recognized typhoid .....	415
Unrecognized typhoid .....	48
Long malarias (so called) .....	12
	475
Intestinal disorders .....	394
Short malarias (so called) .....	146
Mortality:	
Deaths from all causes .....	18
Deaths from typhoid fever .....	18
Per cent of deaths among probable typhoid .....	3.78
Per cent of deaths among recognized typhoid .....	4.33
Per cent of typhoid deaths to deaths from all causes ...	100.00



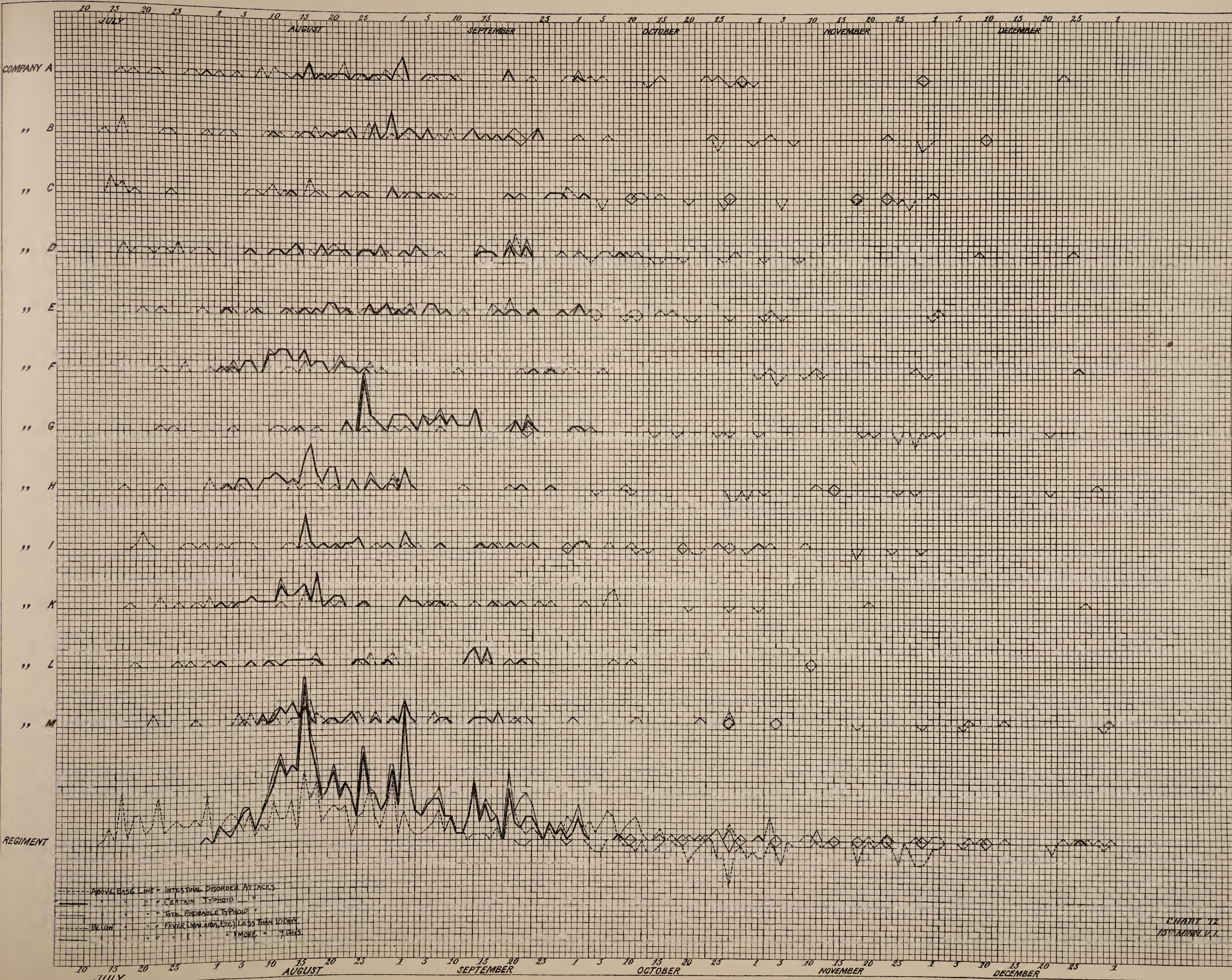


CHART 72  
13th MINN. I. I.











# FOURTH NEW JERSEY VOLUNTEER INFANTRY.

Chart 73, showing the prevalence of the more important diseases in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 434.)

## Camps:

July 19 to October 8, 1898, Seagirt, N. J.  
 October 9 to November 12, 1898, Camp Meade, Pa.  
 November 14 to December 31, 1898, Greenville, S. C.  
 April 6, 1899, mustered out, Greenville, S. C.

Period of service covered by this report, five months twelve days.

Mean strength..... 1,225

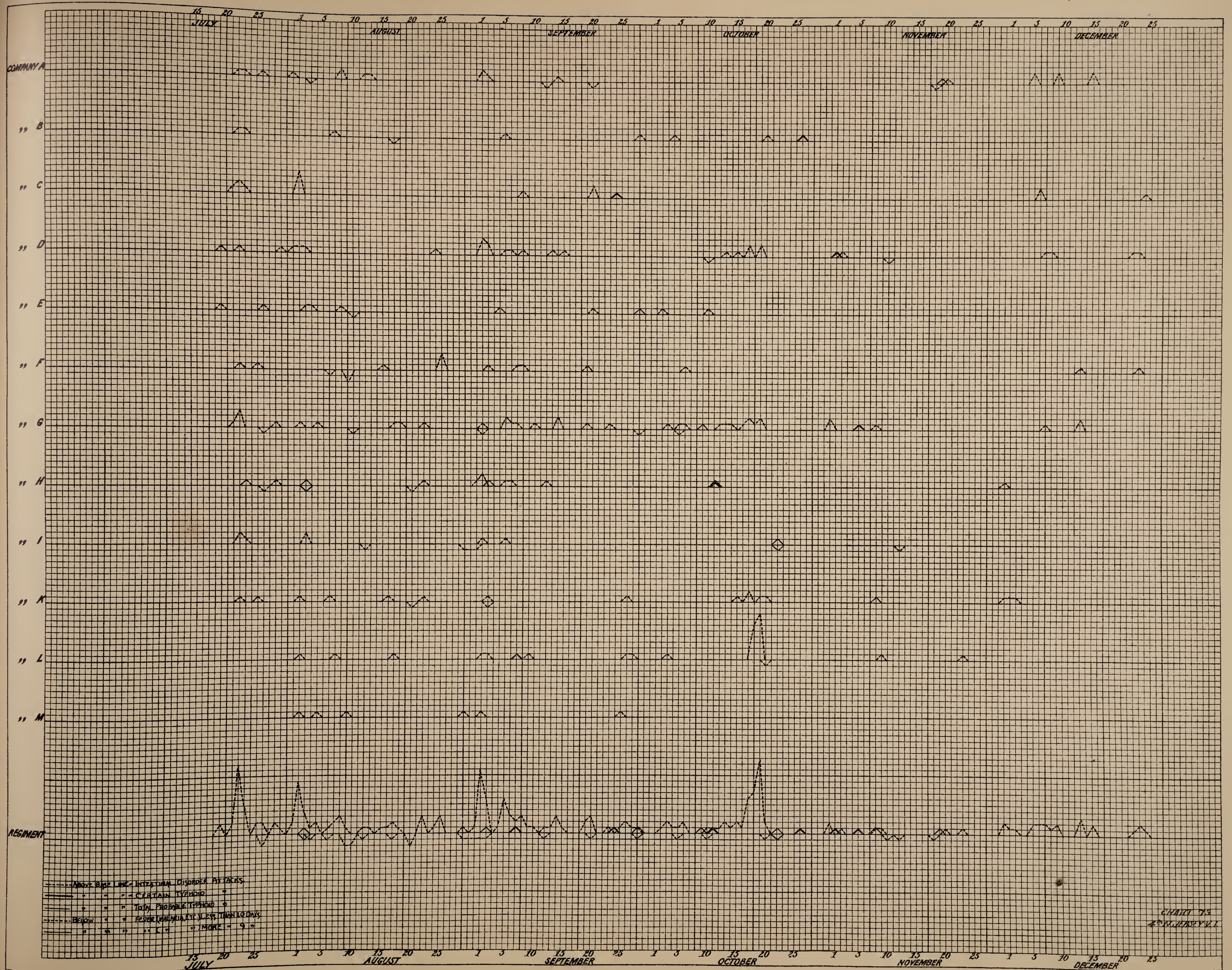
## Morbidity:

Probable typhoid, including recognized and unrecognized typhoid and long malarias .....	13
Recognized typhoid .....	6
Unrecognized typhoid .....	5
Long malarias (so called).....	2
	<hr/> 13
Intestinal disorders.....	193
Short malarias (so called) .....	26

## Mortality:

Deaths from all causes.....	0
Deaths from typhoid fever.....	0
Per cent of deaths among probable typhoid.....	0
Per cent of deaths among recognized typhoid .....	0
Per cent of typhoid deaths to deaths from all causes...	0















## TWO HUNDRED AND THIRD NEW YORK VOLUNTEER INFANTRY.

Chart 74, showing the prevalence of the more important diseases in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 444.)

### Camps:

July 10 to September 11, 1898, Camp Black, Hempstead, Long Island.  
 September 12 to October 2, 1898, Camp Meade, Pa.  
 October 2 to November 11, 1898, Isolation camp, Camp Meade, Pa.  
 November 13 to December 31, 1898, Greenville, S. C.  
 March 25, 1899, mustered out at Greenville, S. C.

Period of service covered by this report, five months twenty-two days.

Mean strength..... 1,047

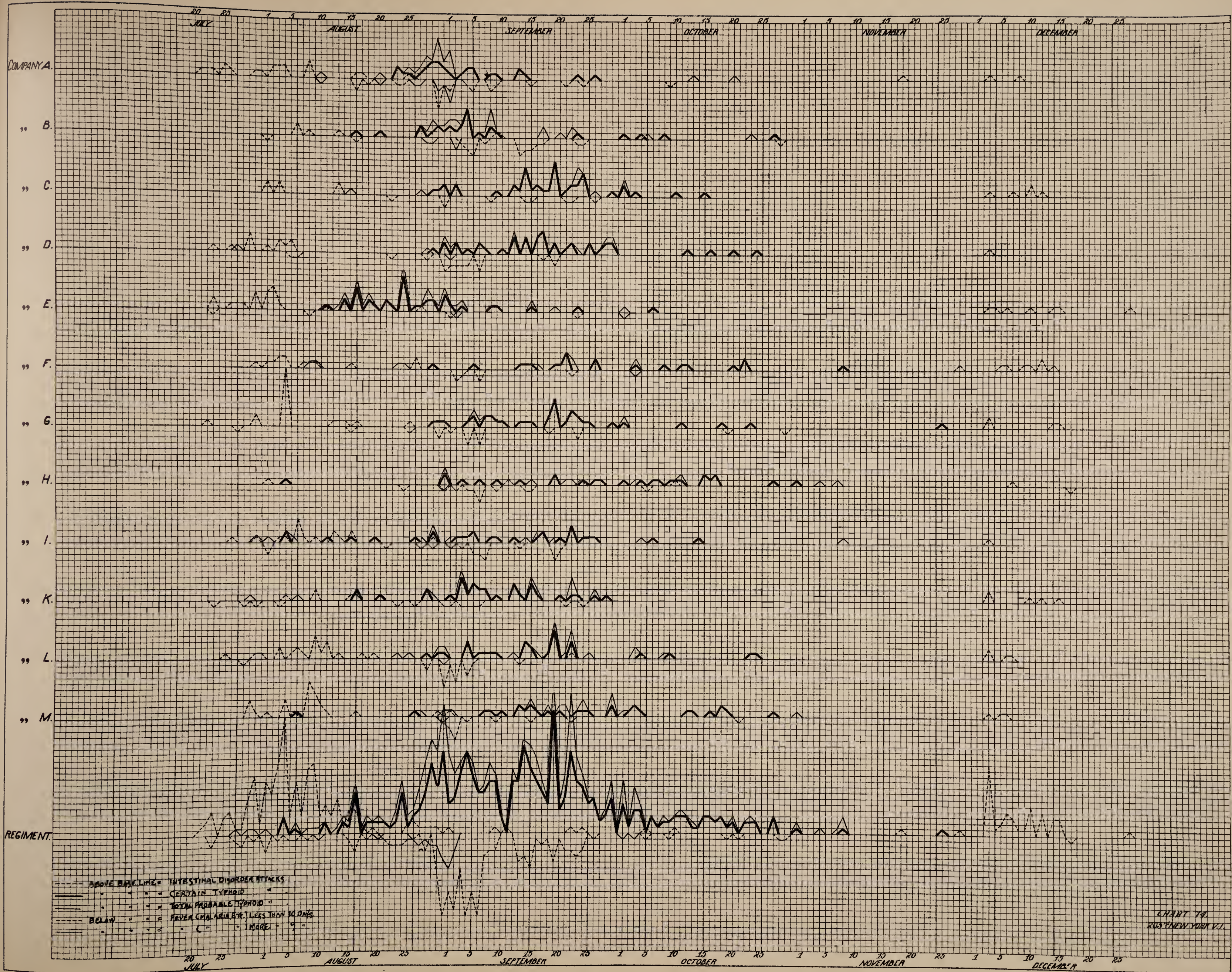
### Morbidity:

Probable typhoid, including recognized and unrecognized typhoid and long malarias .....	503
Recognized typhoid .....	371
Unrecognized typhoid .....	109
Long malarias (so called) .....	23
	<hr/> 503
Intestinal disorders .....	206
Short malarias (so called) .....	174

### Mortality:

Deaths from all causes .....	18
Deaths from typhoid fever .....	16
Per cent of deaths among probable typhoid .....	3.18
Per cent of deaths among recognized typhoid .....	4.31
Per cent of typhoid deaths to deaths from all causes ...	88.88















## SECOND WEST VIRGINIA VOLUNTEER INFANTRY.

Chart 75, showing the prevalence of the more important diseases in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 439.)

### Camps:

June 25 to August 19, 1898, State Camp, Charleston, W. Va.  
August 20 to November 13, 1898, Camp Meade, Pa.  
November 15 to April 10, 1899, Greenville, S. C.

Period of service covered by this report, five months and five days.

Mean strength ..... 1,165

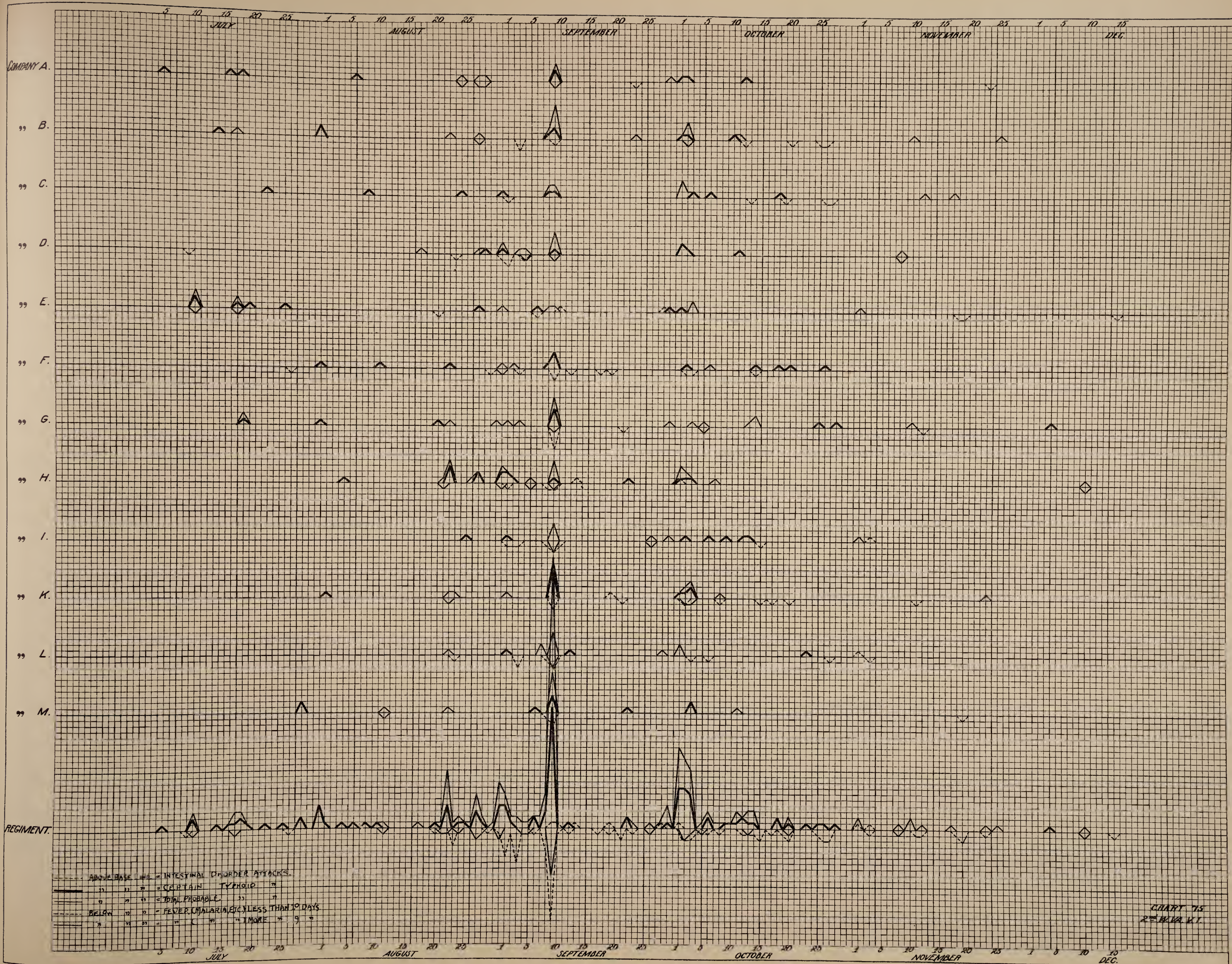
### Morbidity:

Probable typhoid, including recognized and unrecognized typhoid and long malarias .....	219
Recognized typhoid .....	112
Unrecognized typhoid .....	77
Long malarias (so called).....	30
	<hr/> 219
Intestinal disorders.....	8
Short malarias (so called) .....	77

### Mortality:

Deaths from all causes.....	17
Deaths from typhoid fever.....	15
Per cent of deaths among probable typhoid .....	6.84
Per cent of deaths among recognized typhoid .....	13.39
Per cent of typhoid deaths to deaths from all causes ...	88.22















# FIFTH MASSACHUSETTS VOLUNTEER INFANTRY.

Chart 76, showing the prevalence of the more important diseases in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 456.)

## Camps:

June 20 to September 11, 1898, State camp, South Framingham, Mass.  
September 12 to November 16, 1898, Camp Meade, Pa.  
November 18, 1898, to March 3, 1899, Greenville, S. C.

Period of service covered by this report, six months ten days.

Mean strength..... 1,275

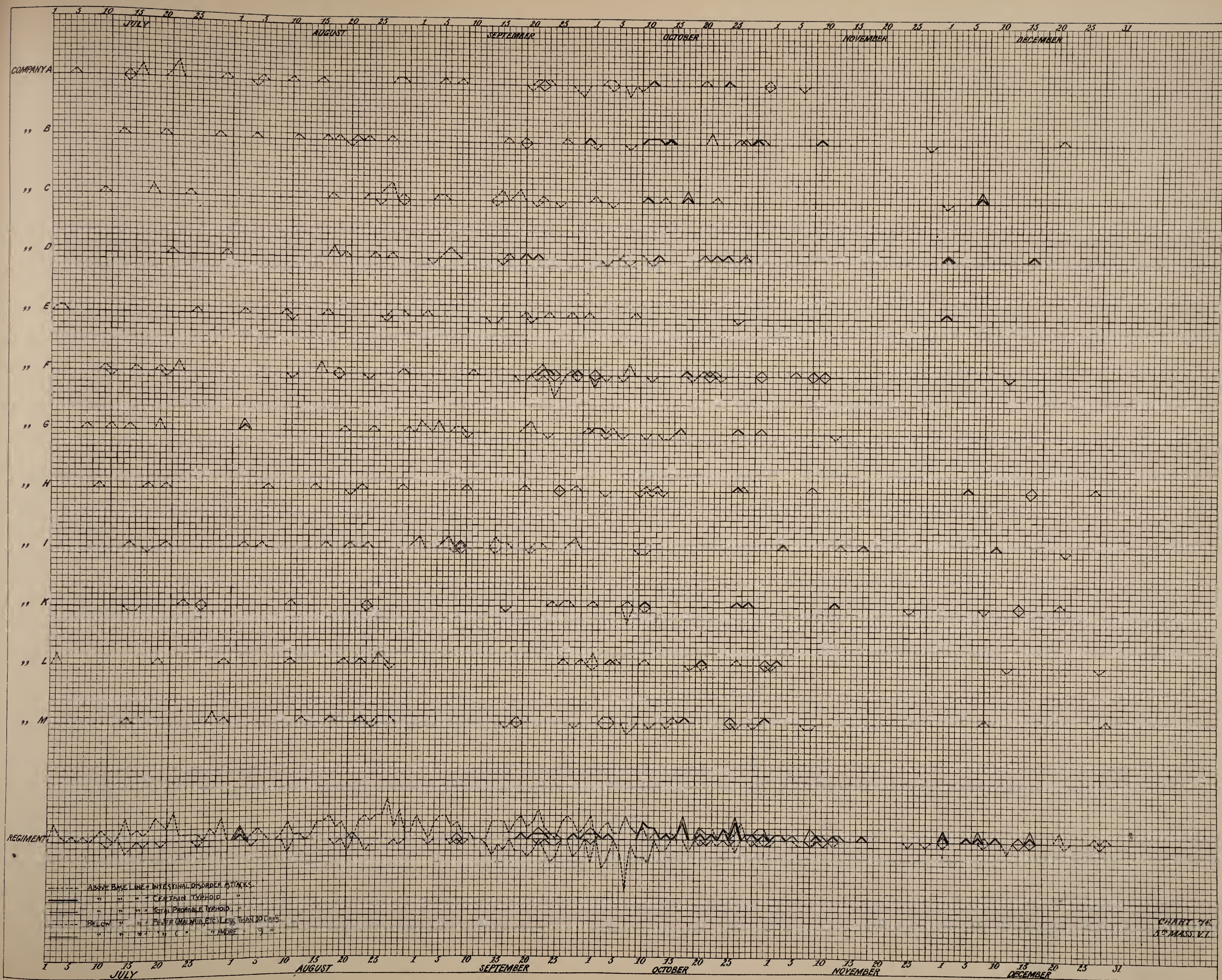
## Morbidity:

Probable typhoid, including recognized and unrecognized typhoid and long malarias .....	66
Recognized typhoid .....	43
Unrecognized typhoid .....	10
Long malarias (so called).....	13
	66
Intestinal disorders.....	219
Short malarias (so called) .....	112

## Mortality:

Deaths from all causes.....	3
Deaths from typhoid fever.....	3
Per cent of deaths among probable typhoid!.....	4.57
Per cent of deaths among recognized typhoid .....	6.97
Per cent of typhoid deaths to deaths from all causes...	100















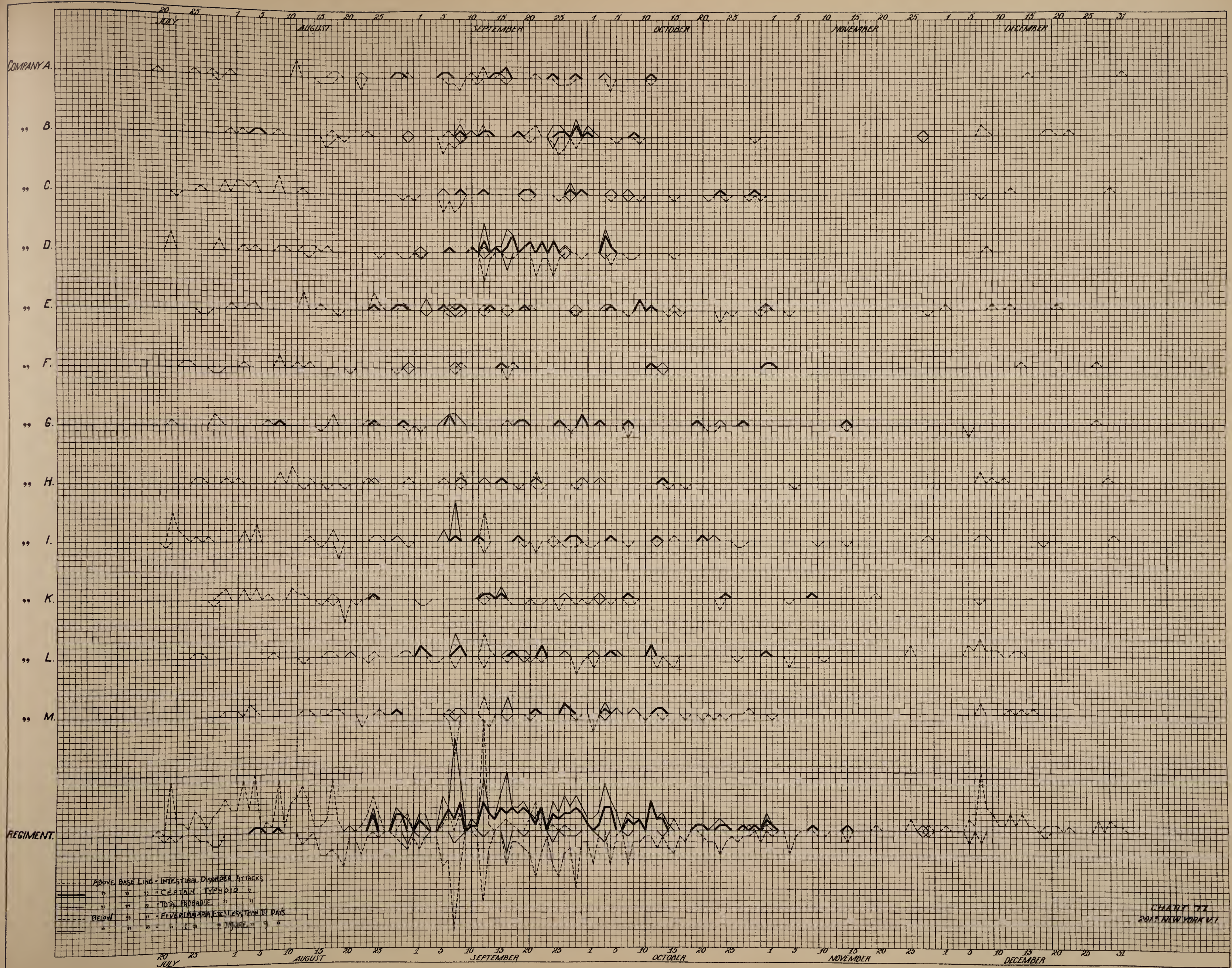
TWO HUNDRED AND FIRST NEW YORK VOLUNTEER INFANTRY.

Chart 77, showing the prevalence of the more important diseases in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 460.)

Camps:  
July 7 to September 9, 1898, Camp Black, Hempstead, Long Island.  
September 10 to November 15, 1898, Camp Meade, Pa.  
November 17, 1898, to April 3, 1899, Camp Wetherill, S. C.

Period of service covered by this report, six months twenty-four days.	
Mean strength.....	1, 076
Morbidity:	
Probable typhoid, including recognized and unrecognized typhoid and long malarias .....	195
Recognized typhoid .....	119
Unrecognized typhoid .....	54
Long malarias (so called) .....	22
	195
Intestinal disorders .....	227
Short malarias (so called) .....	244
Mortality:	
Deaths from all causes.....	21
Deaths from typhoid fever.....	19
Per cent of deaths among probable typhoid.....	9. 74
Per cent of deaths among recognized typhoid.....	15. 96
Per cent of typhoid deaths to deaths from all causes...	90. 50















FIRST DELAWARE VOLUNTEER INFANTRY.

Chart 78, showing the prevalence of the more important diseases in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 466.)

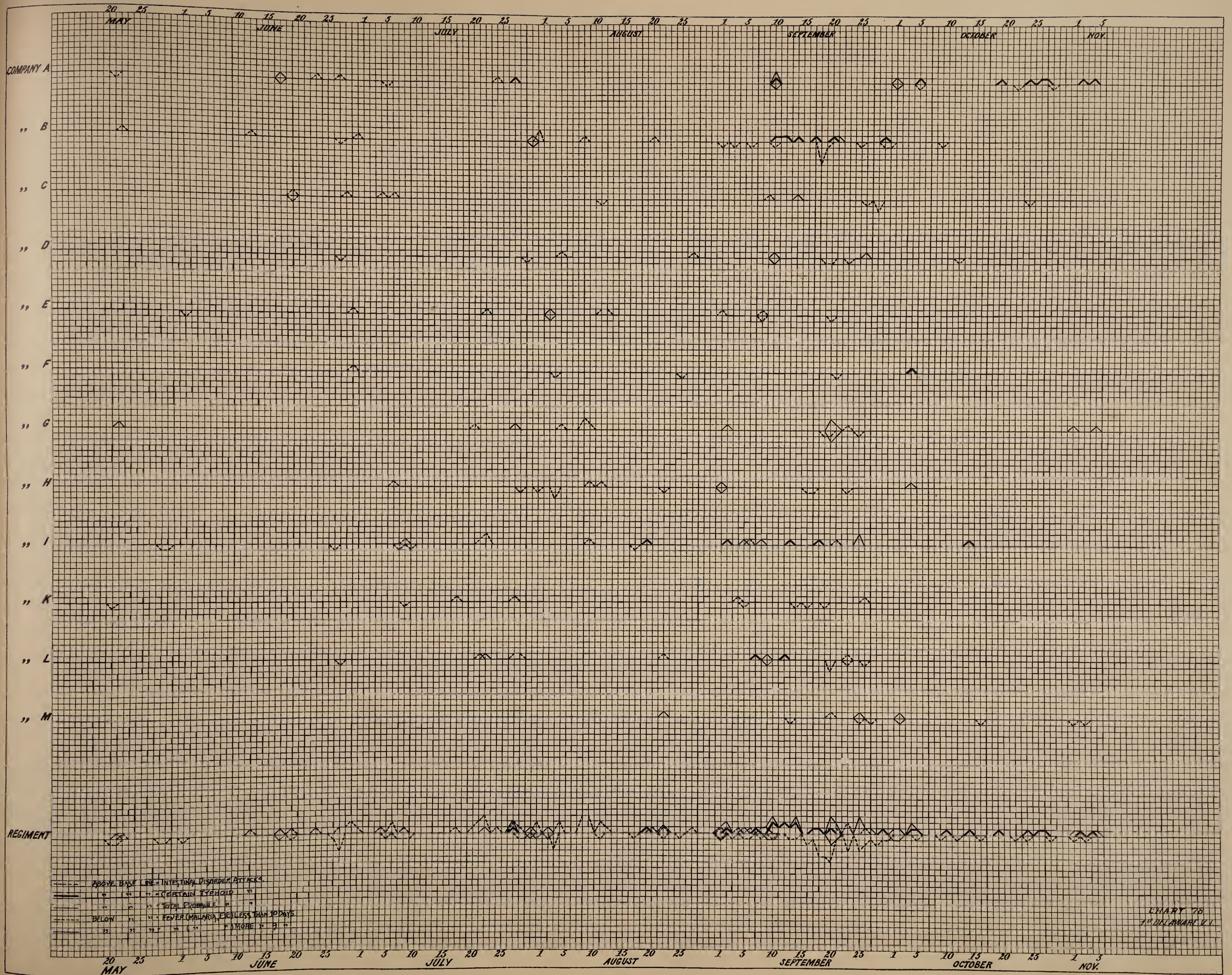
Camps:

- April 26 to August 20, 1898, State Camp, Middletown, Del.
- August 20 to November 6, 1898, Camp Meade, Pa.
- November 6 to November 16, 1898, Wilmington, Del.

Period of service covered by this report, six months twenty-one days.

Mean strength .....	926
Morbidity:	
Probable typhoid, including recognized and unrecognized typhoid and long malarias .....	58
Recognized typhoid .....	30
Unrecognized typhoid .....	17
Long malarias (so called) .....	11
	58
Intestinal disorders .....	49
Short malarias (so called) .....	68
Mortality:	
Deaths from all causes .....	7
Deaths from typhoid fever .....	6
Per cent of deaths among probable typhoid .....	10.34
Per cent of deaths among recognized typhoid .....	20
Per cent of typhoid deaths to deaths from all causes .....	85.71















SECOND PENNSYLVANIA VOLUNTEER INFANTRY.

Chart 79, showing the prevalence of the more important diseases in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 470.)

Camps:

April 28 to May 19, 1898, Mount Gretna, Pa.  
The first battalion was encamped at Montchanin, Del., from May 19 to September 15; the second battalion at Pompton Lake and Pennsgrove, N. J., from May 18 to September 6, etc.  
November 15, 1898, mustered out at Philadelphia.

Period of service covered by this report, five months three days.

Mean strength..... 979

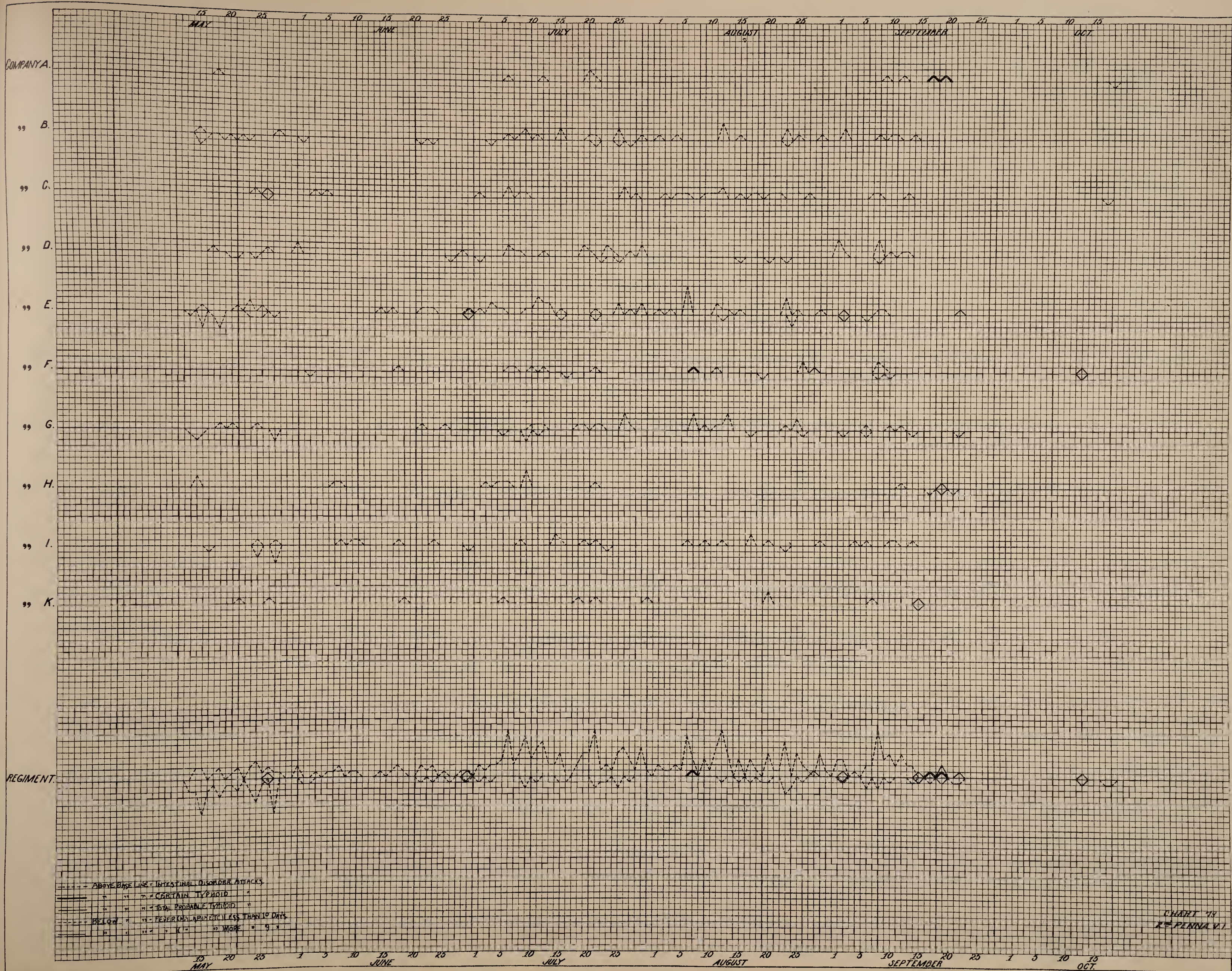
Morbidity:

Probable typhoid, including recognized and unrecognized  
typhoid and long malarias ..... 9  
Recognized typhoid ..... 3  
Unrecognized typhoid ..... 2  
Long malarias (so called) ..... 4  
..... 9  
Intestinal disorders ..... 241  
Short malarias (so called) ..... 79

Mortality:

Deaths from all causes ..... 2  
Deaths from typhoid fever ..... 2  
Per cent of deaths among probable typhoid ..... 22. 22  
Per cent of deaths among recognized typhoid ..... 66. 66  
Per cent of typhoid deaths to deaths from all causes ..... 100















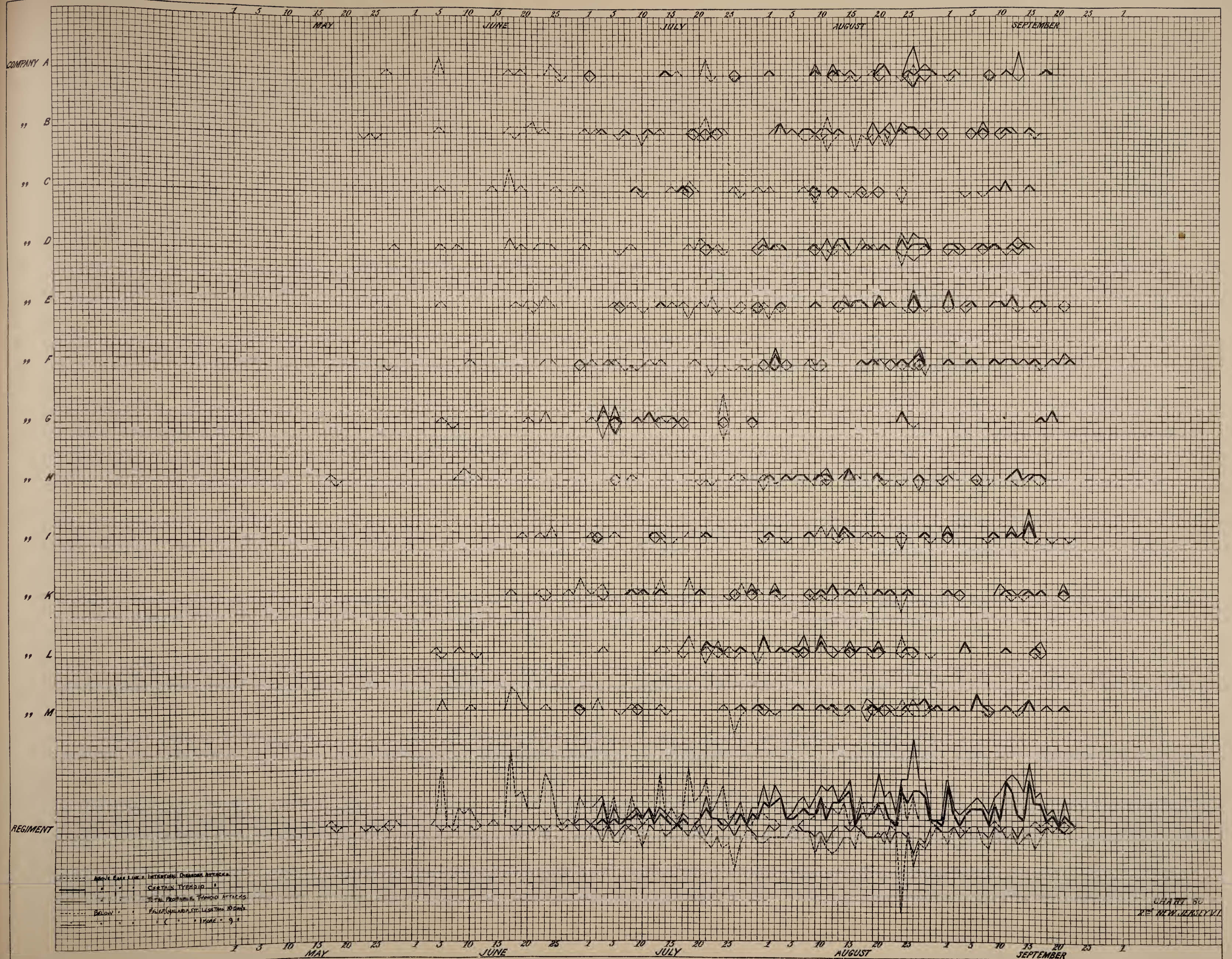
SECOND NEW JERSEY VOLUNTEER INFANTRY.

Chart 80, showing the prevalence of the more important diseases in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 531.)

- Camps:
- April 27 to June 1, 1898, Seagirt, N. J.
  - June 3 to September 2, Jacksonville, Fla.
  - September 2 to September 22, Pablo Beach, Fla.
  - November 17, 1898, mustered out at Paterson, N. J.

Period of service covered by this report, four months twenty-six days.	
Mean strength.....	1, 153
Morbidity:	
Probable typhoid, including recognized and unrecognized typhoid and long malarias .....	318
Recognized typhoid .....	185
Unrecognized typhoid.....	58
Long malarias (so called) .....	75
	318
Intestinal disorders .....	252
Short malarias (so called) .....	179
Mortality:	
Deaths from all causes .....	32
Deaths from typhoid fever.....	29
Per cent of deaths among probable typhoid.....	9. 11
Per cent of deaths among recognized typhoid.....	15. 67
Per cent of typhoid deaths to deaths from all causes...	90. 62















SECOND ILLINOIS VOLUNTEER INFANTRY.

Chart 81, showing the prevalence of the more important diseases in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 539.)

Camps:

- April 25 to May 19, 1898, State Camp, Springfield, Ill.
- May 23 to October 24, Jacksonville, Fla.
- October 24 to December 15, 1898, Savannah, Ga.
- December 15 to December 31, 1898, Camp Columbia, Cuba.
- April 26, 1899, mustered out, Augusta, Ga.

Period of service covered by this report, eight months and five days.

Mean strength ..... 1,095

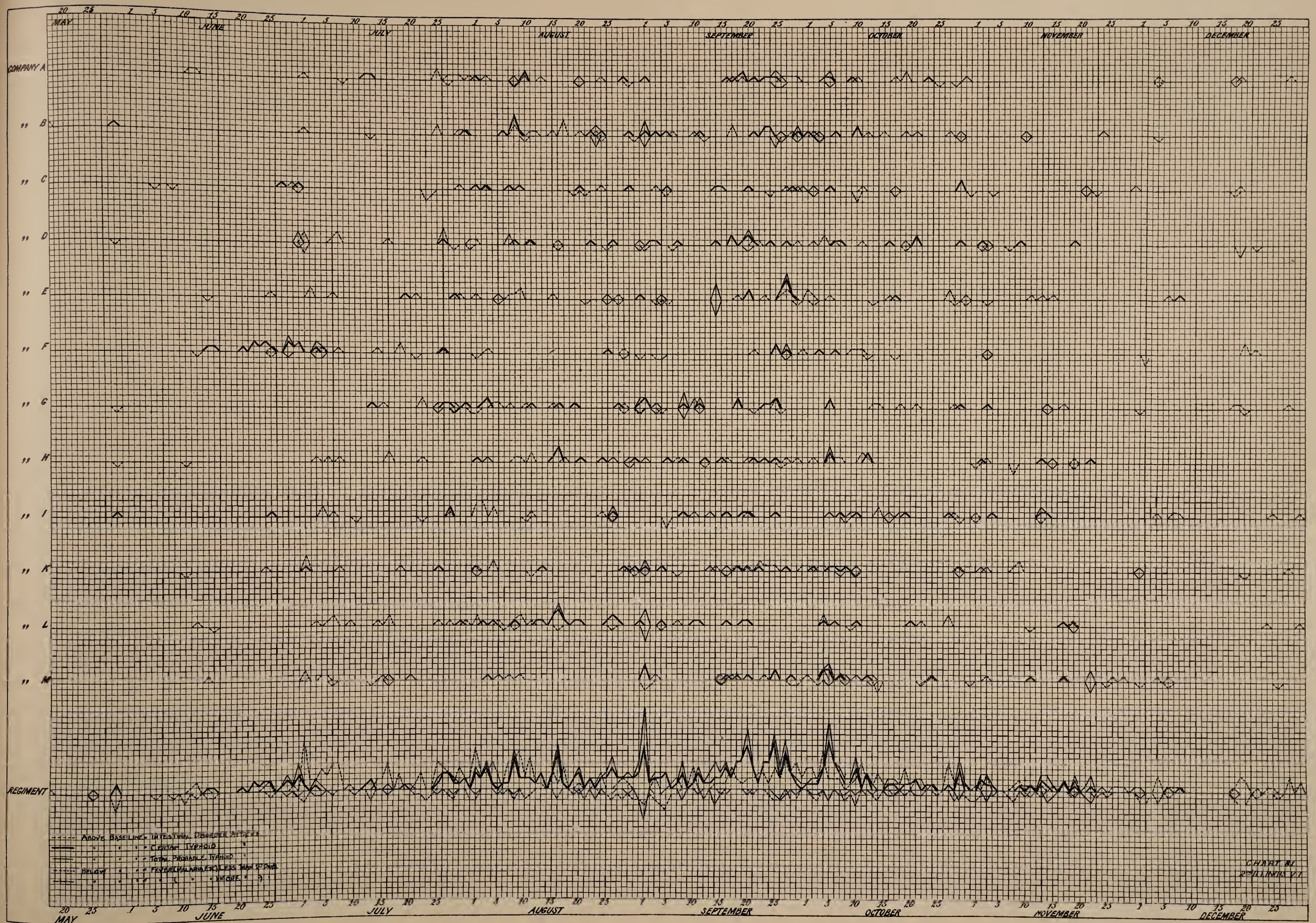
Morbidity:

Probable typhoid, including recognized and unrecognized typhoid and long malarias .....	341
Recognized typhoid .....	253
Unrecognized typhoid .....	25
Long malarias (so called) .....	63
	341
Intestinal disorders .....	316
Short malarias (so called) .....	133

Mortality:

Deaths from all causes .....	22
Deaths from typhoid fever .....	18
Per cent of deaths among probable typhoid .....	5.27
Per cent of deaths among recognized typhoid .....	7.11
Per cent of typhoid deaths to deaths from all causes ...	81.81















FIRST NORTH CAROLINA VOLUNTEER INFANTRY.

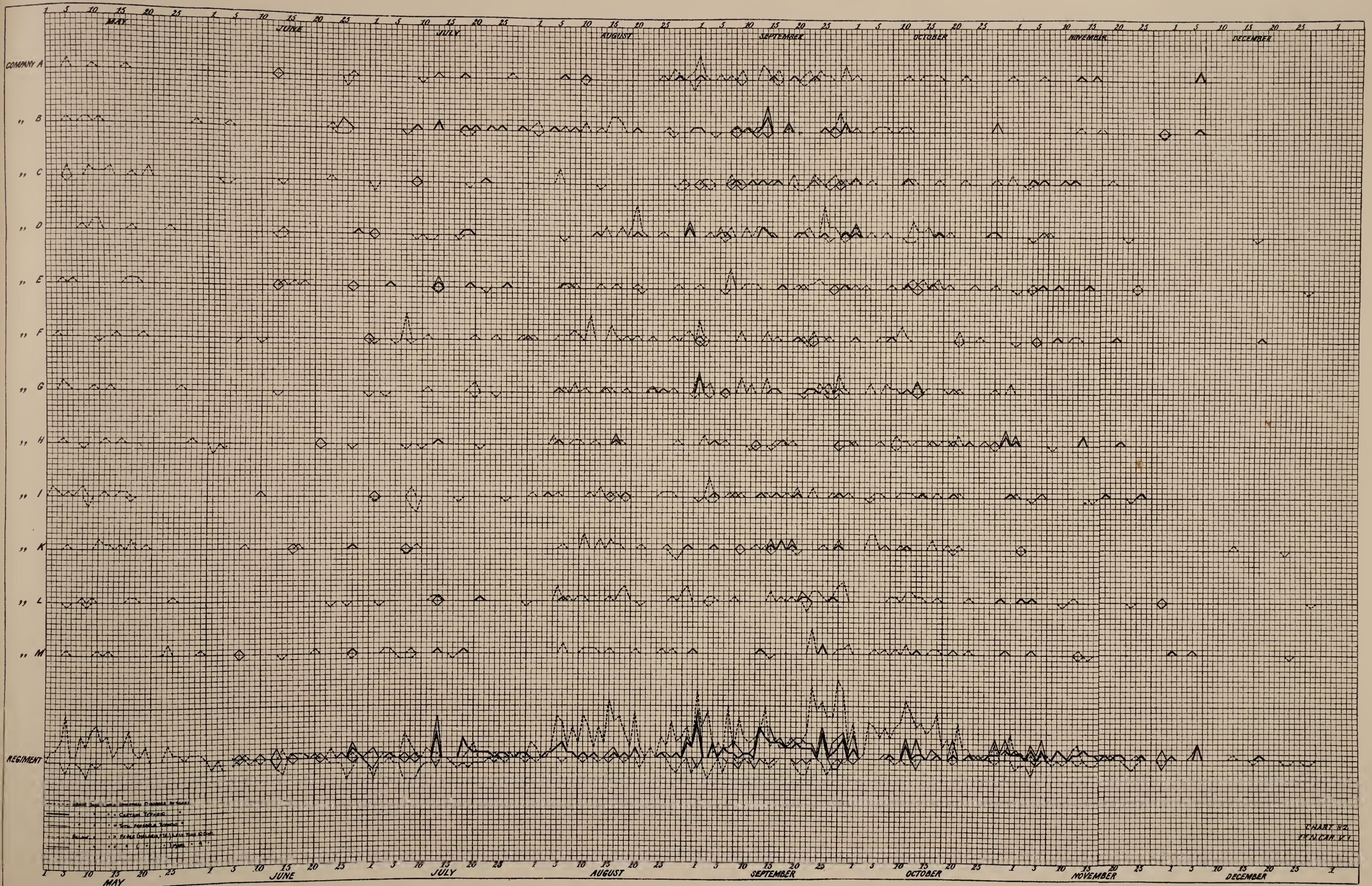
Chart 82, showing the prevalence of the more important diseases in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 551).

Camps:

- May 1 to May 22, State Camp, Raleigh, N. C.
- June 23 to October 24, Jacksonville, Fla.
- October 25 to middle of December, Camp Onward, Savannah, Ga.
- Middle of December to end of December, 1898, Cuba.
- April 22, 1899, mustered out at Savannah, Ga.

Period of service covered by this report, eight months.	
Mean strength .....	1,164
Morbidity:	
Probable typhoid, including reeognized and unrecog- nized typhoid and long malarias .....	227
Reeognized typhoid .....	147
Unrecognized typhoid .....	46
Long malarias (so called) .....	34
	227
Intestinal disorders .....	568
Short malarias (so ealled) .....	141
Mortality:	
Deaths from all causes .....	20
Deaths from typhoid fever .....	16
Per cent of deaths among probable typhoid .....	7. 04
Per eent of deaths among reeognized typhoid .....	10. 68
Per eent of typhoid deaths to deaths from all causes ...	80















# FIFTIETH IOWA VOLUNTEER INFANTRY.

Chart 83, showing the prevalence of the more important diseases in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 559.)

## Camps:

April 26 to May 20, 1898, State Camp, Des Moines, Iowa.  
May 25 to September 17, 1898, Jacksonville, Fla.  
September 21, 1898, furloughed to October 31, then mustered out.

Period of service covered by this report, seven months five days.

Mean strength..... 1, 097

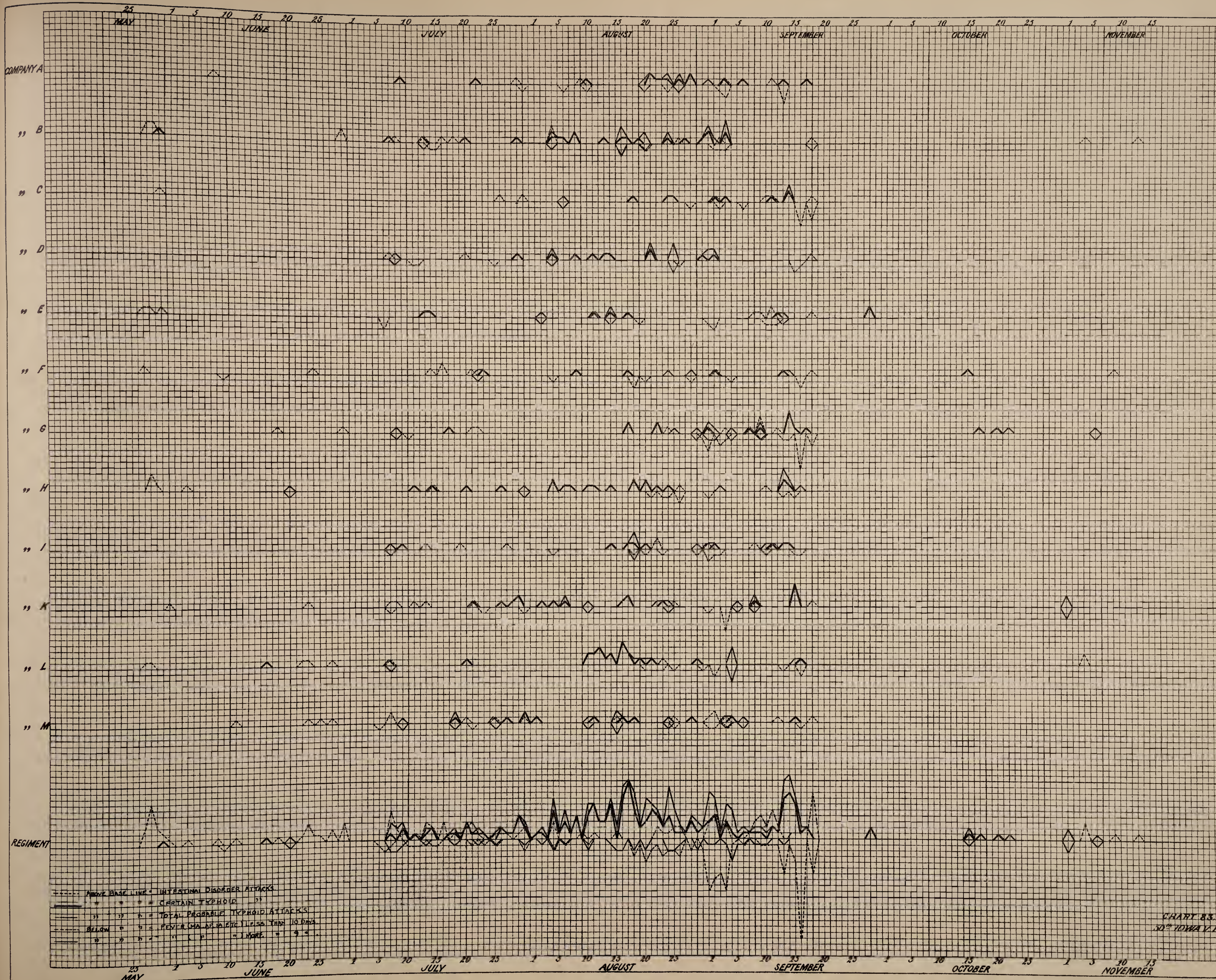
## Morbidity:

Probable typhoid, including recognized and unrecognized typhoid and long malarias .....	253
Recognized typhoid .....	164
Unrecognized typhoid .....	33
Long malarias (so called) .....	56
	253
Intestinal disorders .....	165
Short malarias (so called) .....	128

## Mortality:

Deaths from all causes .....	33
Deaths from typhoid fever .....	33
Per cent of deaths among probable typhoid .....	13. 04
Per cent of deaths among recognized typhoid .....	20. 12
Per cent of typhoid deaths to deaths from all causes .....	100















NINTH ILLINOIS VOLUNTEER INFANTRY.

Chart 84, showing the prevalence of the more important diseases in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 567.)

Camps:

- June 28 to August 5, Springfield, Ill.
- August 8 to October 21, 1898, Jacksonville, Fla.
- October 22 to December 31, 1898, Camp Onward, Savannah, Ga.
- May 26, 1899, mustered out, Augusta, Ga.

Period of service covered by this report, six months and two days.

Mean strength ..... 1,288

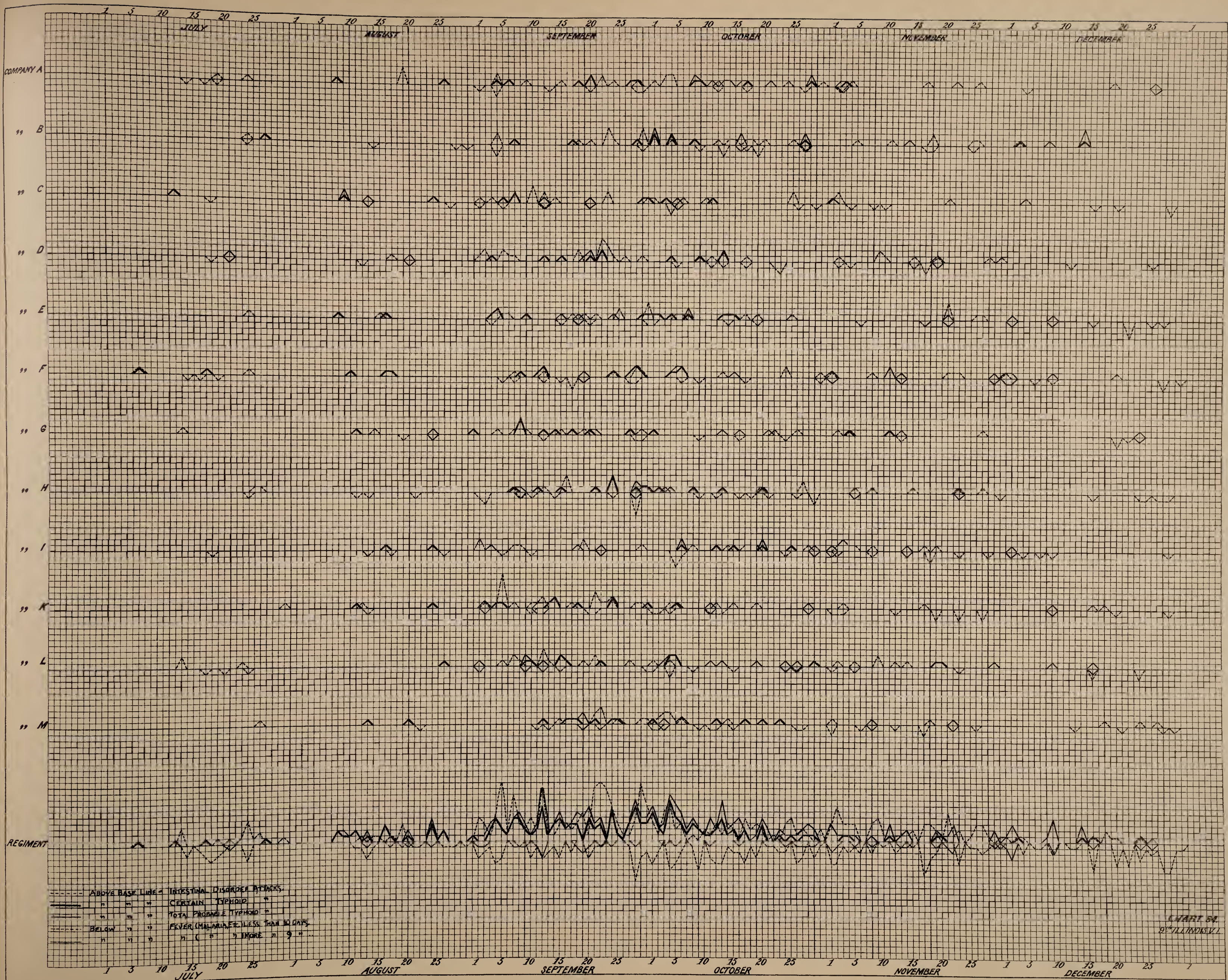
Morbidity:

Probable typhoid, including recognized and unrecognized typhoid and long malarias .....	248
Recognized typhoid .....	153
Unrecognized typhoid .....	47
Long malarias (so called).....	48
	248
Intestinal disorders .....	303
Short malarias (so called) .....	235

Mortality:

Deaths from all causes.....	28
Deaths from typhoid fever .....	18
Per cent of deaths among probable typhoid .....	7.25
Per cent of deaths among recognized typhoid .....	11.76
Per cent of typhoid deaths to deaths from all causes ...	64.28















FIRST WISCONSIN VOLUNTEER INFANTRY.

Chart 85, showing the prevalence of the more important diseases in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 573.)

Camps:

- April 28 to May 21, 1898, Milwaukee, Wis.
- May 24 to September 7, 1898, Jacksonville, Fla.
- October 19, 1898, mustered out at Milwaukee, Wis.

Period of service covered by this report, four months ten days.

Mean strength..... 1,232

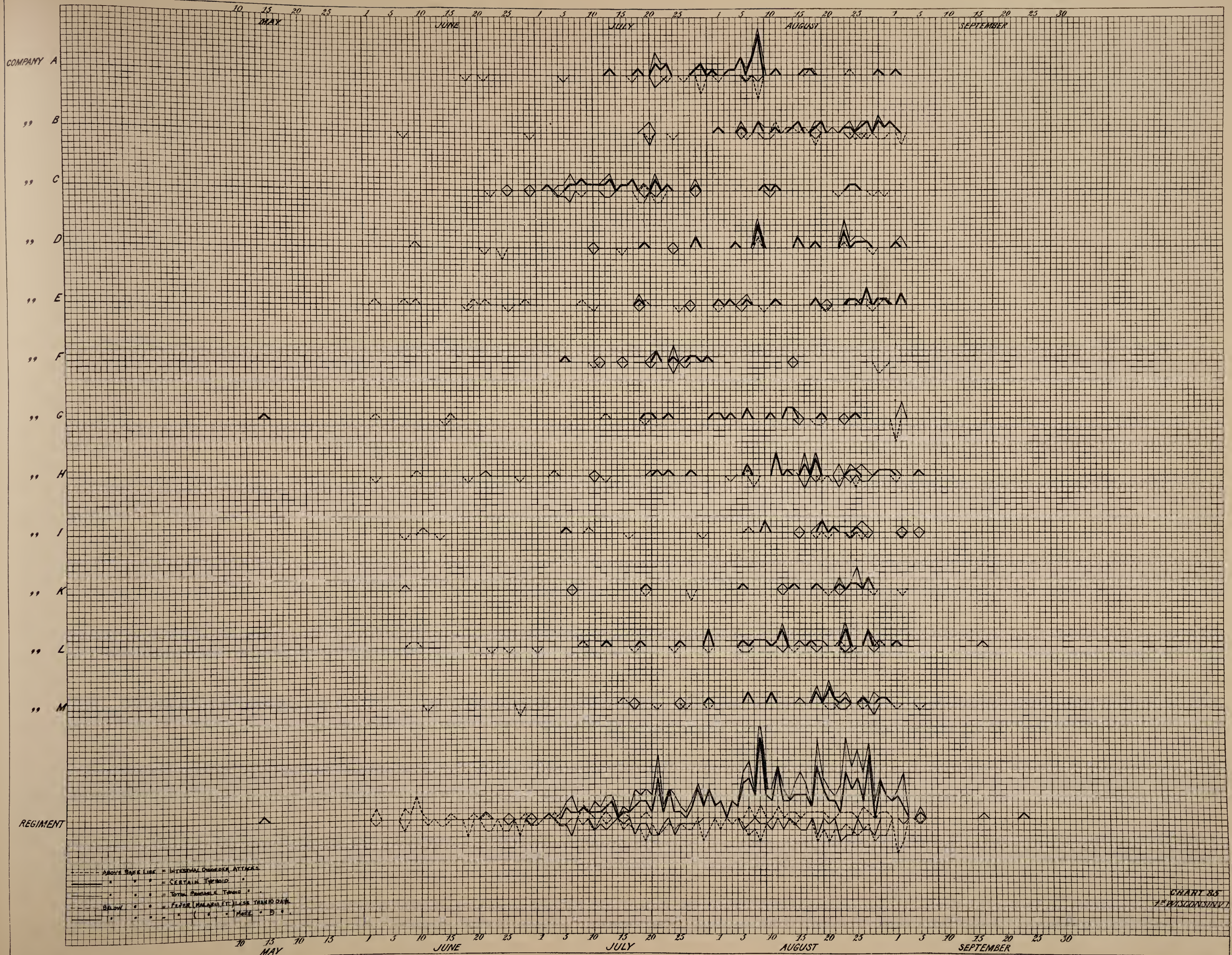
Morbidity:

Probable typhoid, including recognized and unrecognized typhoid and long malarias .....	311
Recognized typhoid .....	209
Unrecognized typhoid .....	34
Long malarias (so called) .....	68
	311
Intestinal disorders .....	42
Short malarias (so called) .....	117

Mortality:

Deaths from all causes .....	48
Deaths from typhoid fever .....	46
Per cent of deaths among probable typhoid .....	14.79
Per cent of deaths among recognized typhoid .....	22
Per cent of typhoid deaths to deaths from all causes .....	95.83















SECOND VIRGINIA VOLUNTEER INFANTRY.

Chart 86, showing the prevalence of the more important diseases in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 586.)

Camps:

- May 10 to June 1, 1898, Richmond, Va.
- June 3 to September 19, 1898, Jacksonville, Fla.
- December 16, 1898, mustered out.

Period of service covered by this report, four months twenty-six days.	
Mean strength .....	1,220
Morbidity:	
Probable typhoid, including recognized and unrecognized typhoid and long malarias .....	152
Recognized typhoid .....	105
Unrecognized typhoid .....	15
Long malarias (so called) .....	32
	152
Intestinal disorders .....	168
Short malarias (so called) .....	88
Mortality:	
Deaths from all causes .....	20
Deaths from typhoid fever .....	17
Per cent of deaths among probable typhoid .....	11. 18
Per cent of deaths among recognized typhoid .....	16. 19
Per cent of typhoid deaths to deaths from all causes ...	85. 00



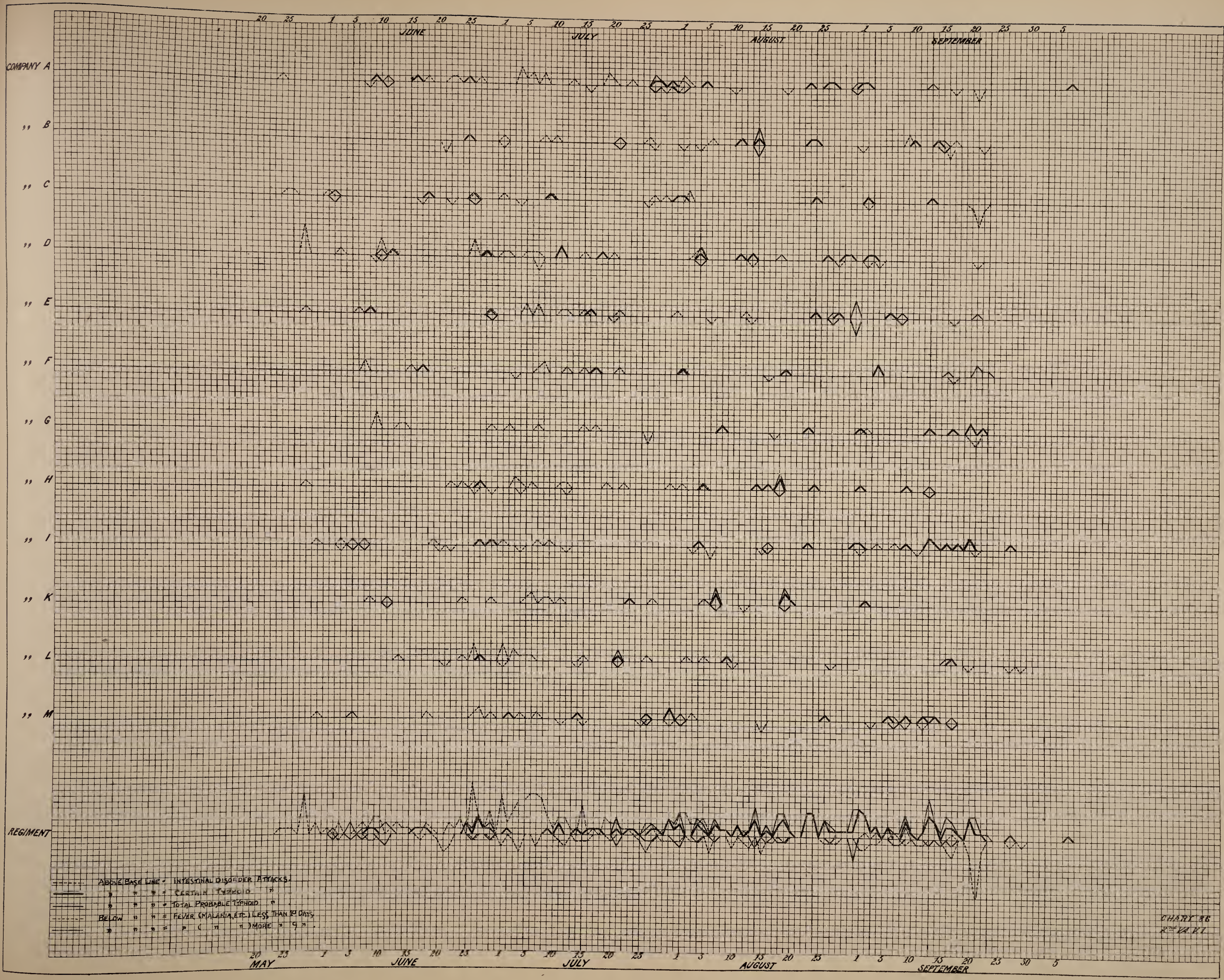


CHART 86  
2nd PART











FOURTH VIRGINIA VOLUNTEER INFANTRY.

Chart 87, showing the prevalence of the more important diseases in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 592.)

Camps:

- May 9 to June 5, 1898, Richmond, Va.
- June 7 to October 25, 1898, Jacksonville, Fla.
- October 27 to December 15, Savannah, Ga.
- December 21 to December 31, 1898, Camp Columbia, Cuba.
- April 27, 1899, mustered out, Savannah, Ga.

Period of service covered by this report seven months twenty-two days.

Mean strength..... 1,274

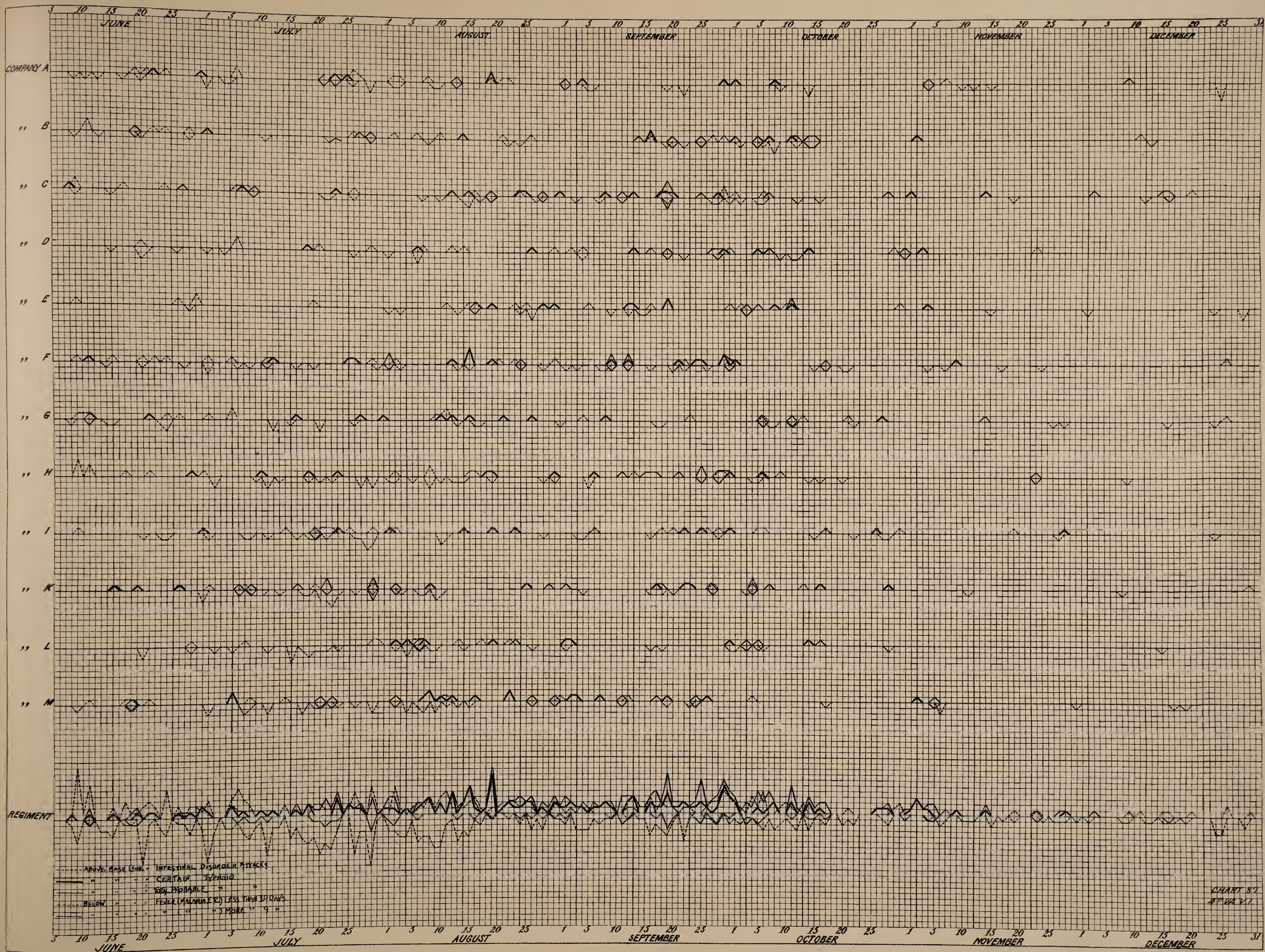
Morbidity:

Probable typhoid, including recognized and unrecognized typhoid and long malarias .....	231
Recognized typhoid .....	135
Unrecognized typhoid.....	38
Long malarias (so called) .....	58
	-----
	231
Intestinal disorders .....	191
Short malarias (so called) .....	335

Mortality:

Deaths from all causes.....	28
Deaths from typhoid fever.....	21
Per cent of deaths among probable typhoid.....	9.09
Per cent of deaths among recognized typhoid.....	15.55
Per cent of typhoid deaths to deaths from all causes...	75.00















FORTY-NINTH IOWA VOLUNTEER INFANTRY.

Chart 88, showing the prevalence of the more important diseases in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 599.)

Camps:

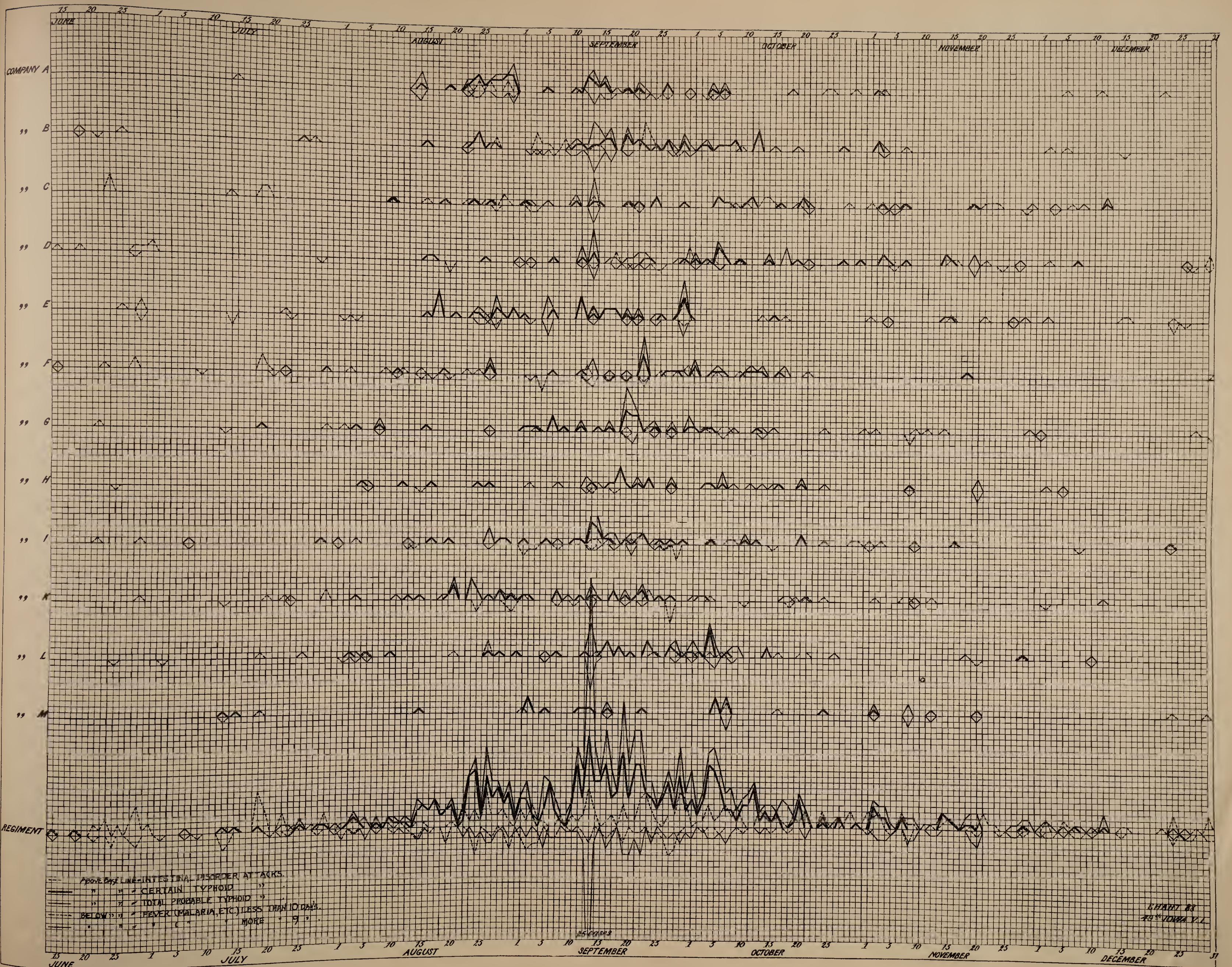
- April 26 to June 11, 1898, Des Moines, Iowa.
- June 14 to October 25, 1898, Jacksonville, Fla.
- October 26 to December 19, 1898, Savannah, Ga.
- December 23 to December 31, 1898, Camp Columbia, Cuba.
- May 13, 1899, mustered out at Savannah, Ga.

Period of service covered by this report, eight months five days.  
 Mean strength ..... 1,236

Morbidity:	
Probable typhoid, including recognized and unrecognized typhoid and long malarias .....	612
Recognized typhoid .....	378
Unrecognized typhoid .....	93
Long malarias (so called).....	141
	612
Intestinal disorders .....	234
Short malarias (so called) .....	110

Mortality:	
Deaths from all causes.....	50
Deaths from typhoid fever.....	50
Per cent of deaths among probable typhoid .....	8.16
Per cent of deaths among recognized typhoid .....	13.22
Per cent of typhoid deaths to deaths from all causes ...	100.00















SECOND MISSISSIPPI VOLUNTEER INFANTRY.

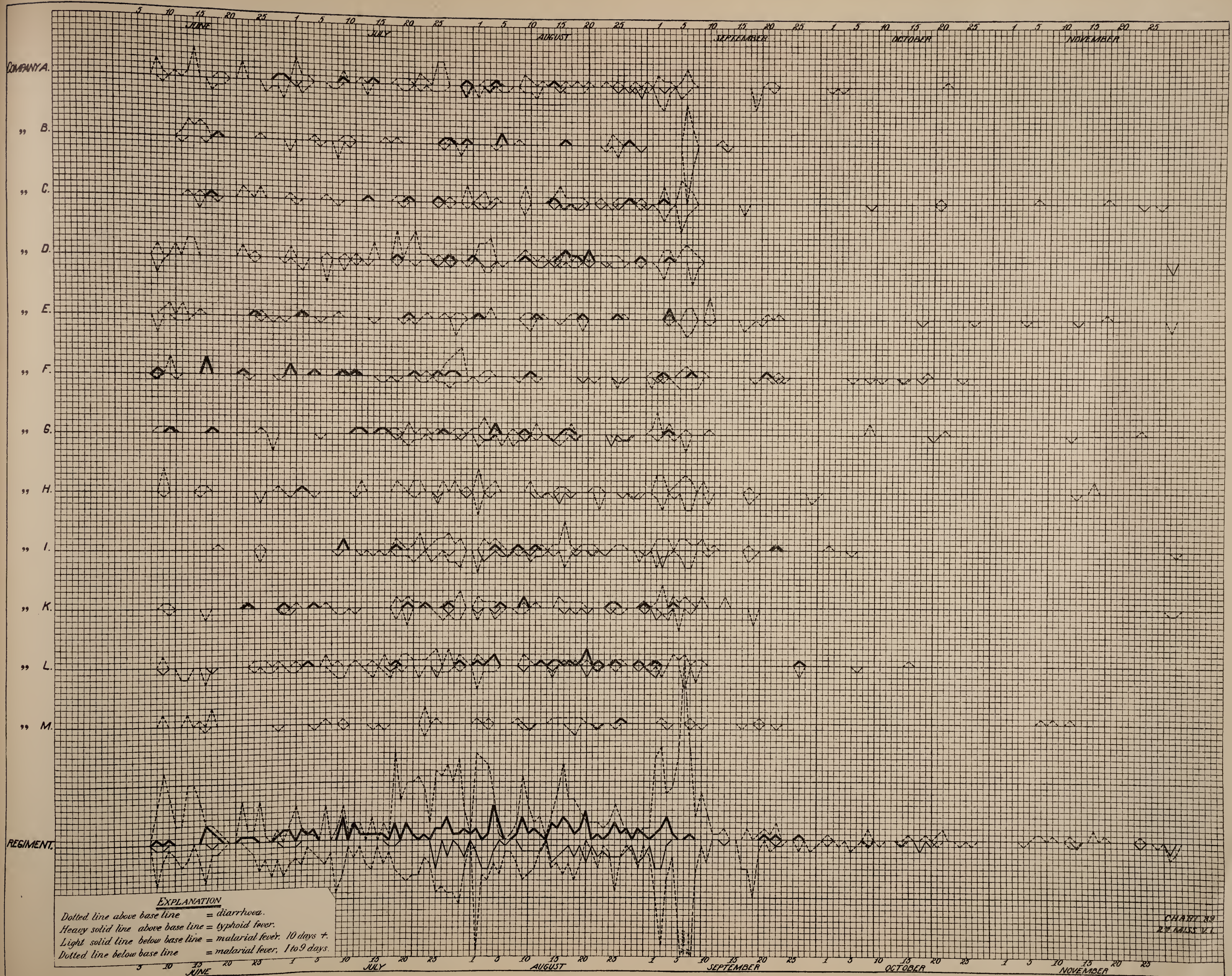
Chart 89, showing the prevalence of the more important diseases in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 611.)

Camps:

- May 26 to June 19, 1898, Jackson, Miss.
- June 21 to September 12, 1898, Jacksonville, Fla.
- September 12 to October 19, 1898 (?), Lauderdale Springs, Miss.
- October 19, 1898, furloughed at Columbia, Tenn.
- November 28, 1898, mustered out.

Period of service covered by this report, five months twenty-three days.	
Mean strength.....	1, 217
Morbidity:	
Probable typhoid, including recognized .....	118
Diarrhoeal diseases .....	454
Malarias .....	614
Mortality:	
Deaths from all causes.....	22
Deaths from typhoid fever.....	17
Per cent of deaths among probable typhoid.....	14. 40
Per cent of typhoid deaths to deaths from all causes...	77. 27





**EXPLANATION**

Dotted line above base line = diarrhoea.  
Heavy solid line above base line = typhoid fever.  
Light solid line below base line = malarial fever, 10 days +.  
Dotted line below base line = malarial fever, 1 to 9 days.

CHART 89  
REMISS 11











# FOURTH ILLINOIS VOLUNTEER INFANTRY.

Chart 90, showing the prevalence of the more important diseases in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 616.)

## Camps:

May 20 to May 26, 1898, Springfield, Ill.  
 May 29 to October 25, 1898, Jacksonville, Fla.  
 October 25 to December 31, 1898, Savannah, Ga.

Period of service covered by this report, seven months eleven days.

Mean strength..... 1,194

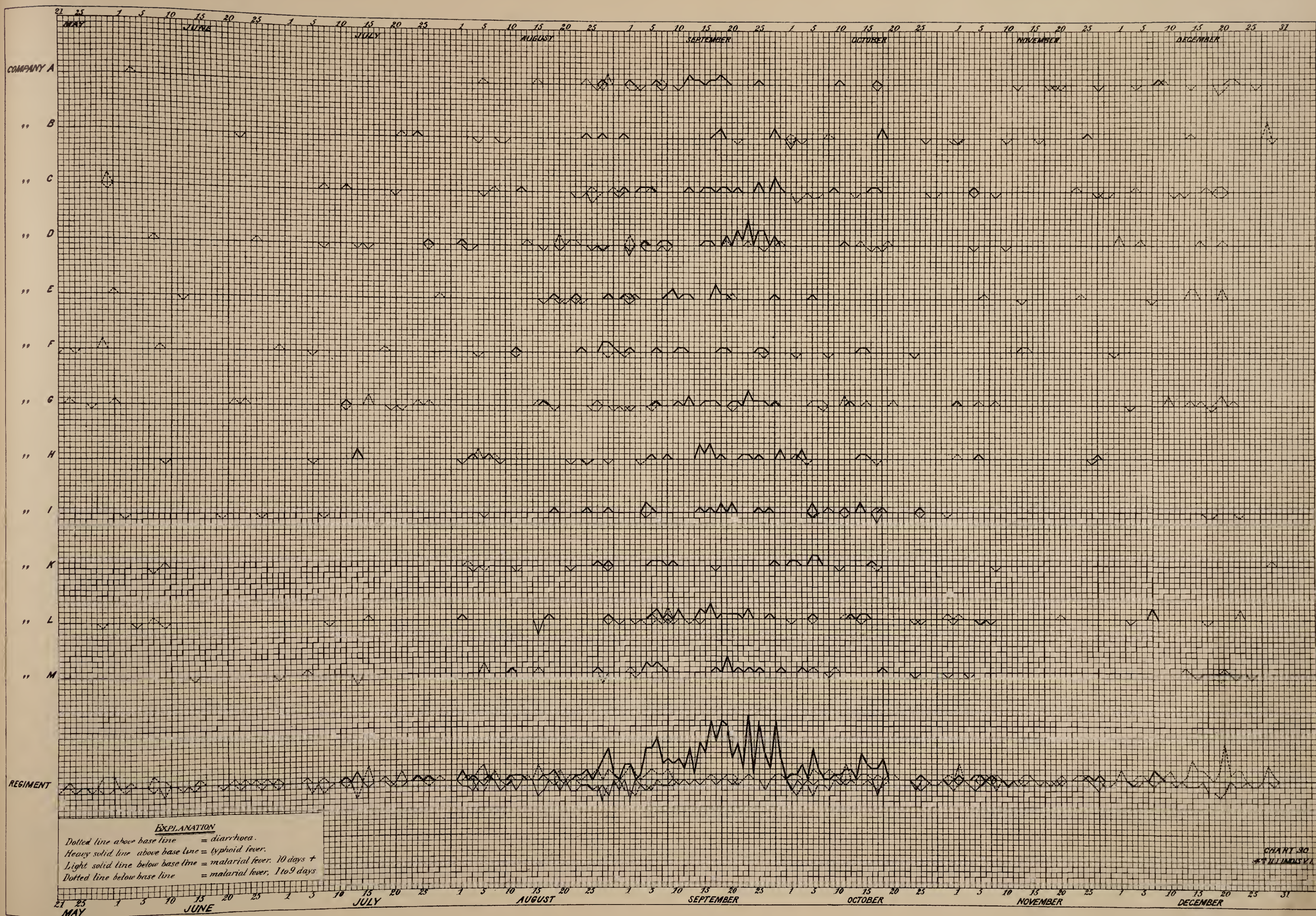
## Morbidity:

Probable typhoid, including recognized ..... 238  
 Diarrhoeal diseases ..... 115  
 Malarias ..... 200

## Mortality:

Deaths from all causes..... 25  
 Deaths from typhoid fever..... 20  
 Per cent of deaths among probable typhoid..... 8.40  
 Per cent of typhoid deaths to deaths from all causes... 80















FIRST SOUTH CAROLINA VOLUNTEER INFANTRY.

Chart 91, showing the prevalence of the more important diseases in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 621.)

Camps:

- May 3 to 30 to June 6, 1898, Columbia, S. C.
- June 7 to July 29, 1898, Chickamauga, Ga.
- July 29 to September 24, Jacksonville, Fla.
- September 24, mustered out at Columbia, S. C.

Period of service covered by this report, three months twenty-three days.

Mean strength .....	—
Morbidity:	
Probable typhoid .....	55
Mortality:	
Deaths from all causes .....	7
Deaths from typhoid fever .....	2
Per cent of deaths among probable typhoid .....	3.8
Per cent of typhoid deaths to deaths from all causes ...	28.57



COMPANY A

" B

" C

" D

" E

" F

" G

" H

" I

" K

" L

" M

REGIMENT

EXPLANATION

Dotted line above base line = diarrhoea.  
Heavy solid line above base line = typhoid fever.  
Light solid line below base line = malarial fever, 10 days +  
Dotted line below base line = malarial fever, 1 to 9 days.

CHART 21.  
1<sup>ST</sup> ST. CAROLINA V.I.











SECOND UNITED STATES VOLUNTEER CAVALRY.

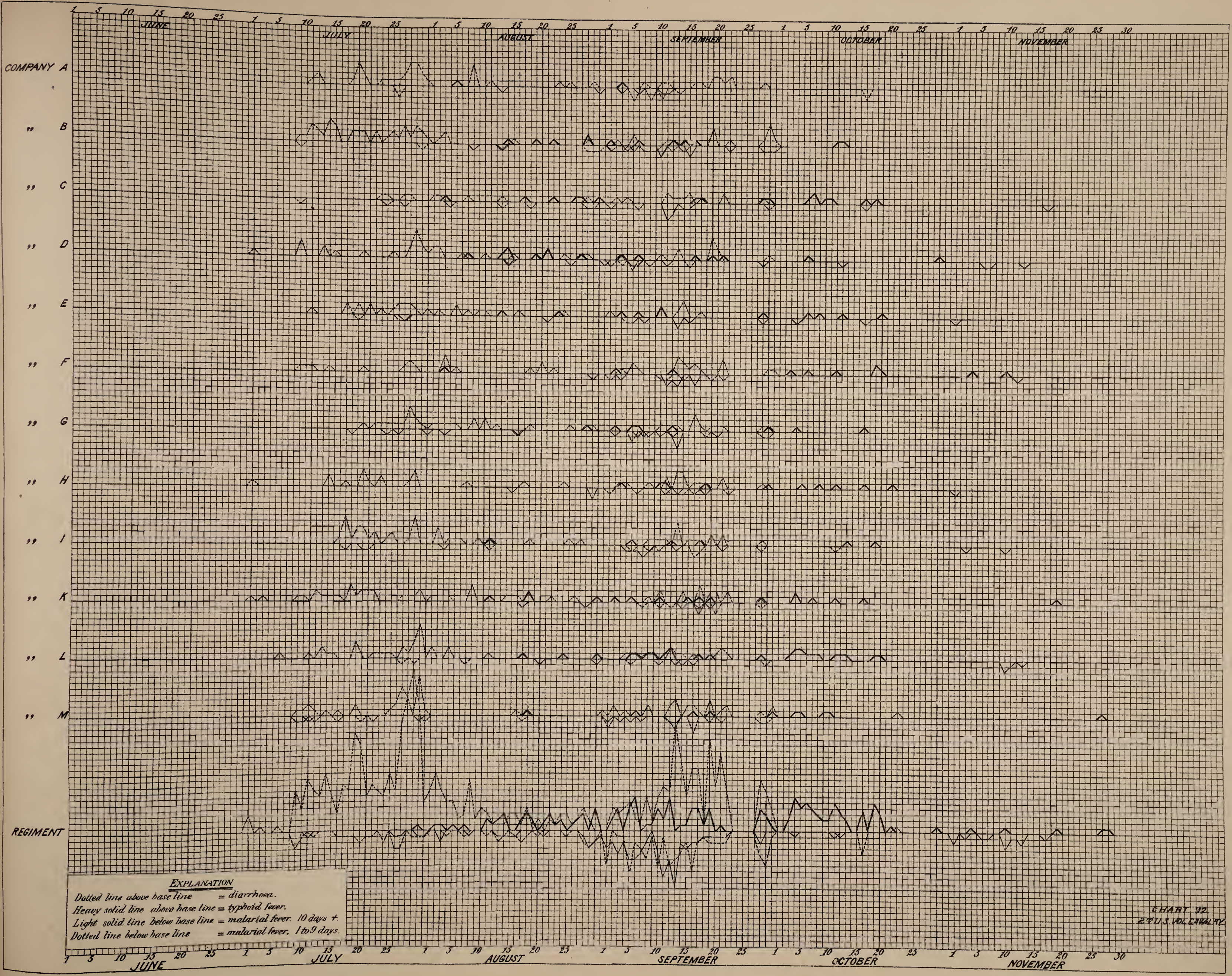
Chart 92, showing the prevalence of the more important diseases in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 624.)

Camps:

May 6 to June 22, 1898, Fort Russell, Wyo.  
June 28 to October 24, 1898, Panama Park, Fla. (Jacksonville).

Period of service covered by this report, four months twenty-nine days.	
Mean strength.....	919
Morbidity:	
Probable typhoid, including recognized .....	151
Diarrhœal diseases .....	399
Malarias .....	233
Mortality:	
Deaths from all causes.....	18
Deaths from typhoid fever.....	15
Per cent of deaths among probable typhoid.....	9. 93
Per cent of typhoid deaths to deaths from all causes.....	83. 33















### THIRD NEBRASKA VOLUNTEER INFANTRY.

Chart 93, showing the prevalence of the more important diseases in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 627.)

#### Camps:

June 20 to July 18, 1898, Old Fort, Omaha, Nebr.  
 July 22 to September 10, 1898, Jacksonville, Fla.  
 September 11 to October 5, 1898, Pablo Beach, Fla.  
 October 5 to October 23, Fairfield, Fla.  
 October 23 to December 31, 1898, Savannah, Ga.  
 December 31, 1898, embarked for Cuba.

Period of service covered by this report, five months twenty-three days.

Mean strength ..... 1,262

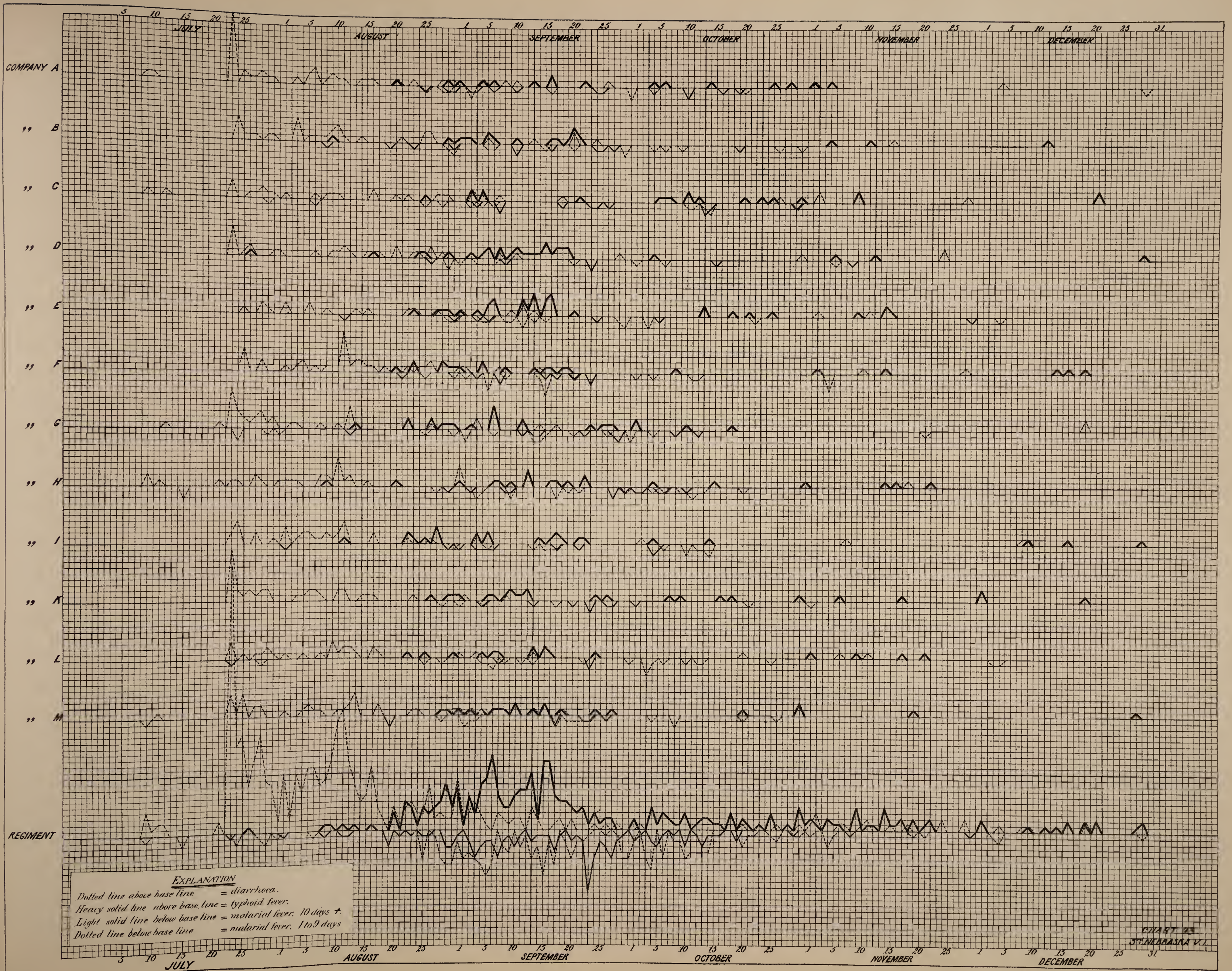
#### Morbidity:

Probable typhoid, including recognized ..... 280  
 Diarrhoeal diseases ..... 344  
 Malarias ..... 307

#### Mortality:

Deaths from all causes ..... 30  
 Deaths from typhoid fever ..... 27  
 Per cent of deaths among probable typhoid ..... 9.64  
 Per cent of typhoid deaths to deaths from all causes ... 90















# ONE HUNDRED AND SIXTY-FIRST INDIANA VOLUNTEER INFANTRY.

Chart 94, showing the prevalence of the more important diseases in the companies of this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 631.)

## Camps:

July 15 to August 11, 1898, Indianapolis, Ind.  
 August 14 to October 24, 1898, Jacksonville, Fla.  
 October 24 to December 12, 1898, Savannah, Ga.  
 December 12, 1898, embarked for foreign service.

Period of service covered by this report, five months twenty-one days.

Mean strength..... 1,304

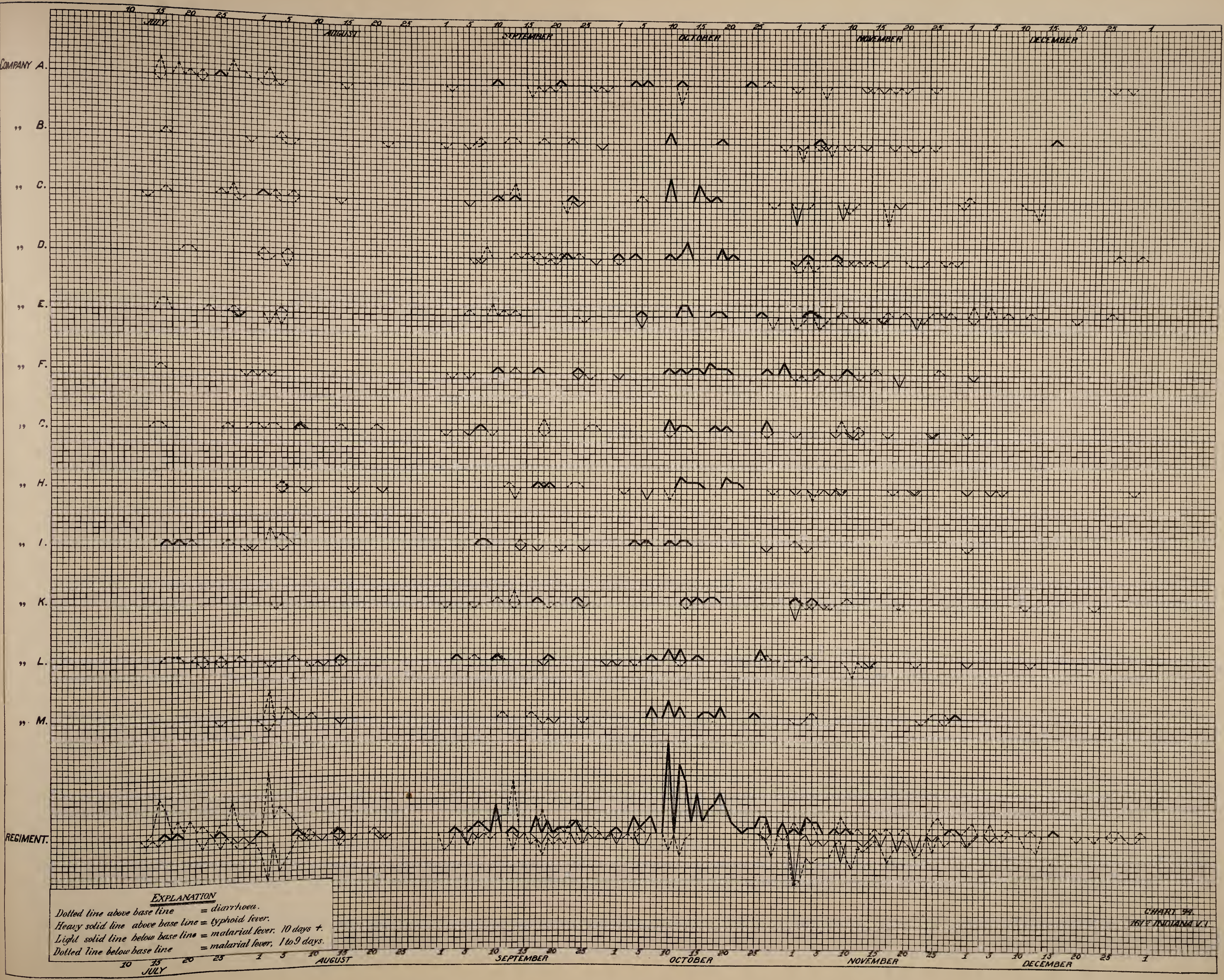
## Morbidity:

Probable typhoid, including recognized ..... 134  
 Diarrhoeal diseases ..... 133  
 Malarias ..... 299

## Mortality:

Deaths from all causes..... 15  
 Deaths from typhoid fever..... 14  
 Per cent of deaths among probable typhoid..... 10.44  
 Per cent of typhoid deaths to deaths from all causes... 93.33





**EXPLANATION**

Dotted line above base line = diarrhoea.  
Heavy solid line above base line = typhoid fever.  
Light solid line below base line = malarial fever, 10 days +.  
Dotted line below base line = malarial fever, 1 to 9 days.











# SIXTH MISSOURI VOLUNTEER INFANTRY.

Chart 95, showing the prevalence of the more important diseases in this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 633.)

## Camps:

July 23 to August 11, 1898, Jefferson Barracks, Mo.  
August 15 to November 6, 1898, Jacksonville, Fla.  
November 6 to December 21, 1898, Savannah, Ga.

Period of service covered by this report, four months twenty-eight days.

Mean strength..... 1,149

## Morbidity:

Probable typhoid, including recognized ..... 286  
Diarrhœal diseases ..... 67  
Malarias ..... 176

## Mortality:

Deaths from all causes .. 22  
Deaths from typhoid fever..... 19  
Per cent of deaths among probable cases of typhoid... 6.64  
Per cent of typhoid deaths to deaths from all causes... 86.36



COMPANY A.

" B.

" C.

" D.

" E.

" F.

" G.

" H.

" I.

" K.

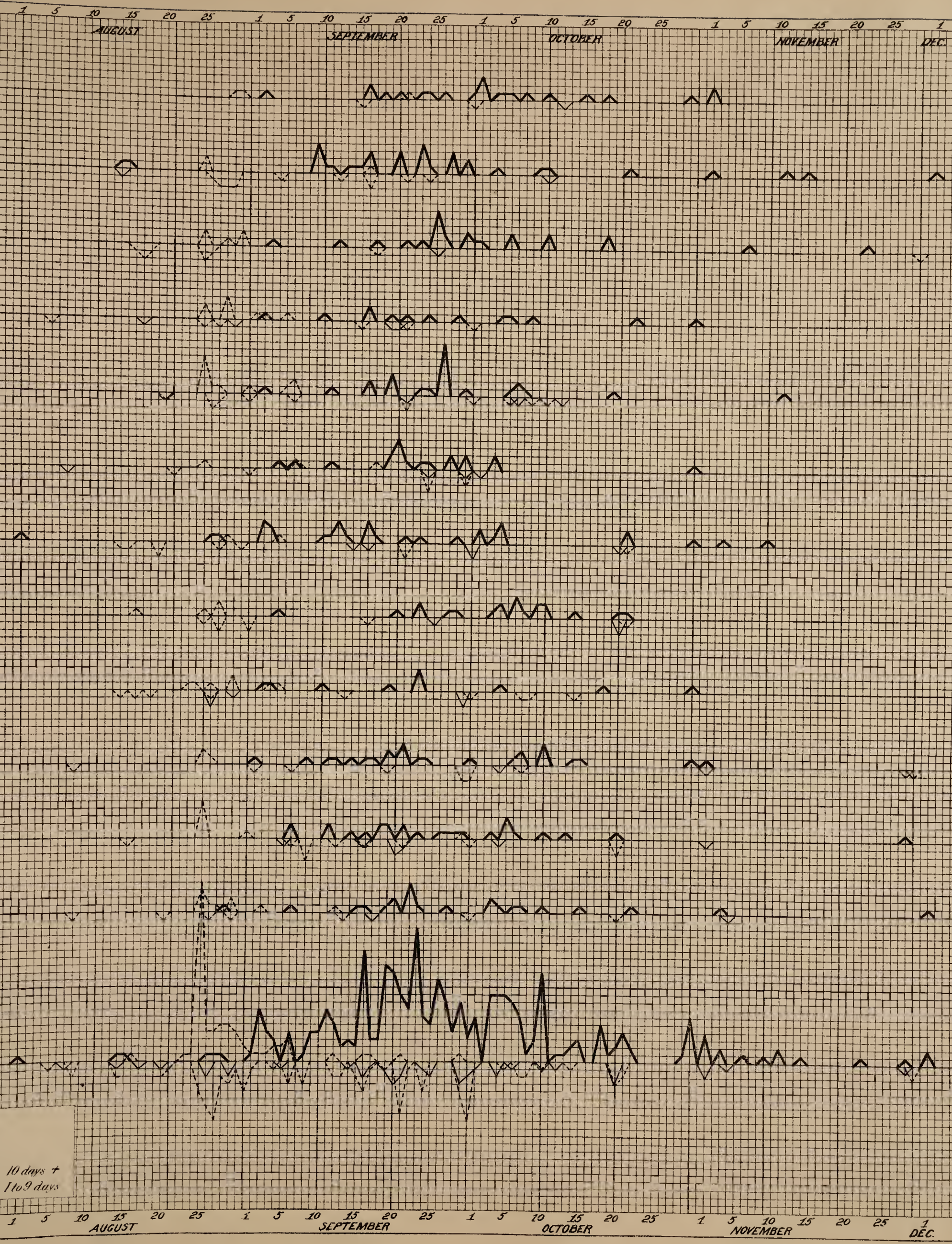
" L.

" M.

REGIMENT.

EXPLANATION

Dotted line above base line = diarrhoea.  
Heavy solid line above base line = typhoid fever.  
Light solid line below base line = malarial fever, 10 days +  
Dotted line below base line = malarial fever, 1 to 9 days













SECOND SOUTH CAROLINA VOLUNTEER INFANTRY.

Chart 96, showing the prevalence of the more important diseases in this regiment during the period covered by this report. (For text concerning this regiment see vol. 1, page 636.)

Camps:  
May 21 to September 16, 1898, Columbia, S. C.  
September 16 to October 21, 1898, Jacksonville, Fla.  
October 22 to December 31, 1898, Savannah, Ga.

Period of service covered by this report, seven months ten days.

Mean strength ..... 945

Morbidity:

Probable typhoid, including recognized ..... 85

Diarrhoeal diseases ..... 365

Malarias ..... 537

Mortality:

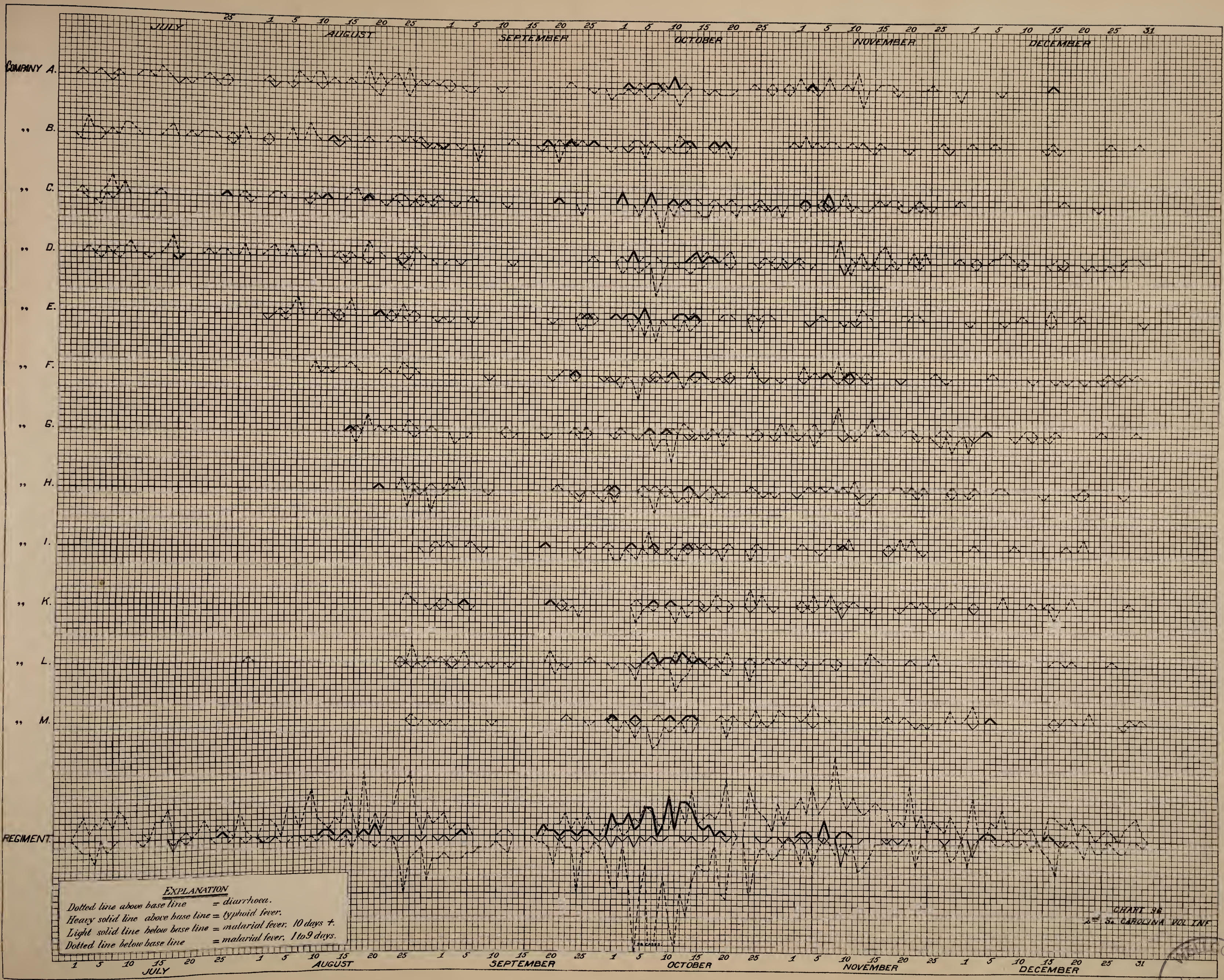
Deaths from all causes ..... 14

Deaths from typhoid fever ..... 8

Per cent of deaths among probable cases of typhoid ..... 9. 41

Per cent of typhoid deaths to deaths from all causes ..... 57. 14





**EXPLANATION**

- Dotted line above base line = diarrhoea.
- Heavy solid line above base line = typhoid fever, 10 days +.
- Light solid line below base line = malarial fever, 10 days +.
- Dotted line below base line = malarial fever, 1 to 9 days.

CHART 96  
2nd S. CAROLINA VOL INF

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